



**Max-Planck-Institut für
extraterrestrische Physik**

Jahresstatistik 2011

Impressum

Herausgeber: Max-Planck-Institut für extraterrestrische Physik

Redaktion und Layout: W. Collmar und J. Zanker-Smith

PERSONAL 2011

Direktoren

Prof. Dr. R. Bender, Optische und Interpretative Astronomie, gleichzeitig Lehrstuhl für Astronomie/Astrophysik an der Ludwig-Maximilians-Universität München (Geschäftsführung)

Prof. Dr. R. Genzel, Infrarot- und Submillimeter-Astronomie, gleichzeitig Prof. of Physics, University of California, Berkeley (USA)

Prof. Dr. G. Morfill, Theorie, Nichtlineare Dynamik, Komplexe Plasmen

Prof. Dr. Kirpal Nandra, Hochenergie-Astrophysik; MPI Halbleiterlabor

Prof. Dr. G. Haerendel (emeritiertes wiss. Mitglied)

Prof. Dr. R. Lüst (emeritiertes wiss. Mitglied)

Prof. Dr. K. Pinkau (emeritiertes wiss. Mitglied)

Prof. Dr. J. Trümper (emeritiertes wiss. Mitglied)

Selbstständige Nachwuchsgruppen und Minerva

Fellows

Dr. N.M. Förster Schreiber

Dr. S. Khochfar

MPG Fellow

Prof. Dr. A. Burkert (LMU)

Direktionsassistent

Prof. Dr. W. Becker

Wissenschaftlicher Sekretär

Dr. W. Collmar

Pressesprecherin:

Dr. H. Hämmerle

Auswärtige wissenschaftliche Mitglieder

Prof. Dr. E. van Dishoeck, Universität Leiden (Niederlande)

Prof. Dr. V. Fortov, IHED, Moscow (Russland)

Prof. Dr. R. Z. Sagdeev, University of Maryland (USA)

Prof. Dr. M. Schmidt, CALTECH, Pasadena (USA)

Prof. Dr. Y. Tanaka, JSPS, Bonn; MPE (Deutschland)

Prof. Dr. C.H. Townes, University of California, Berkeley (USA)

Kuratorium (gemeinsam mit dem MPI für Astrophysik)

Dr. L. Baumgarten, ehem. Vorstandsmitglied DLR

Prof. Dr. A. Bode, TU München (Vizepräsident)

J. Breilkopf, Kayser-Threde GmbH, München

H.-J. Dürmeier, Süddeutscher Verlag, München

Prof. Dr. W. Glatthaar, DG Bank (Vorsitzender des Kuratoriums), Stuttgart

Min. Dir. Dr. G. Gruppe, Bayerisches Staatsministerium für Wirtschaft, Verkehr und Technologie, München

Prof. Dr. B. Huber, Rektor der LMU München

Dr. M. Mayer, ehem. Mitglied des Bundestages, Höhenkirchen

Min. Dir. J. Meyer, Sektionsvorsitzender, Staatsministerium für Wirtschaft und Verkehr

Prof. Dr. E. Rohkamm, Thyssen Krupp AG, Düsseldorf

Fachbeirat

Prof. Dr. R. Davies, Oxford University (UK)

Prof. Dr. R. Ellis, CALTECH (USA)

Dr. N. Gehrels, NASA/GSFC (USA)

Prof. Dr. F. Harrison, CALTECH (USA)

Prof. Dr. O. Havnes, University of Tromsø (Norwegen)

Prof. Dr. P. Léna, Université Paris VII (Frankreich)

Prof. Dr. R. McCray, University of Colorado (USA), Vorsitzender des Fachbeirats

Prof. Dr. M. Salvati, Osservatorio Astrofisico di Arcetri (Italien)

Humboldt-Forschungspreisträger

Prof. Dr. P. Henry, University of Hawaii (USA)

Prof. Dr. H. Netzer, Tel Aviv University (Israel)

Prof. Dr. V. Tsytovich, Russian Academy of Sciences, Moscow (Russland)

Prof. S. Veilleux, University of Maryland (USA)

A. v. Humboldt-Stipendiaten

Prof. Dr. D. Jaffe, University of Texas (USA)

Dr. V. Yaroschenko, Universiteit Gent (Belgien)

Wissenschaftliche Auszeichnungen, Berufungen

Boller, Th.: Michael und Biserka Baum-Preis für herausragende physikalische Arbeit und Lehrtätigkeit durch den Frankfurter Förderverein für physikalische Grundlagenforschung, Frankfurt, Germany, May 2011.

Boller, Th.: Member of the "Academia Europaea" - The Academy of Europe, Physics and Engineering Section, membership number 3014, October 2011.

Genzel, R.: Karl-Schwarzschild-Preis, Astronomische Gesellschaft, Heidelberg, Germany, September 2011.

Genzel, R.: West Lecture, Queens University Belfast, Belfast, Nordirland, UK, July 2011.

Kretschmer, M.: Best Poster Award 4th International Symposium on Physical Sciences in Space (ISPS-4), ESA/DLR, July 2011.

Lüst, R.: Ehrendoktor, Jacobs Universität Bremen, Germany, September 2011.

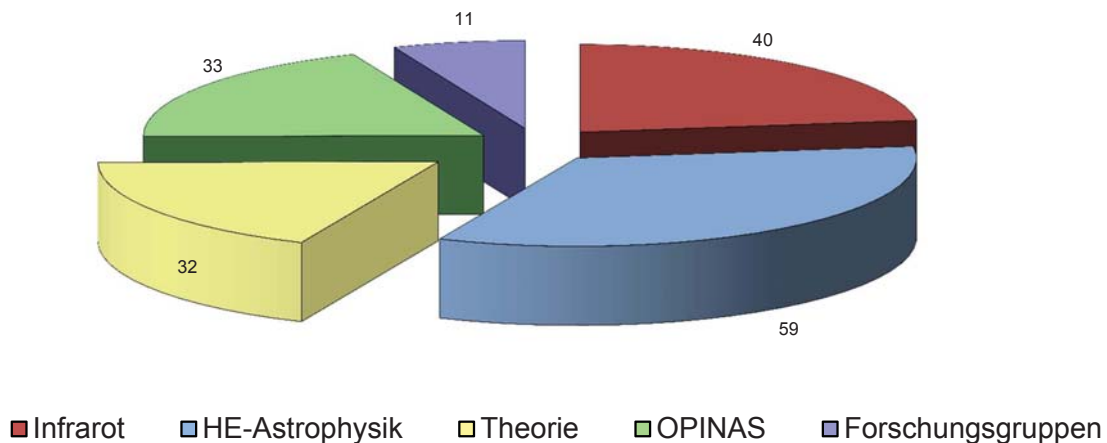
Morfill, G.: James-Clerk-Maxwell-Preis, Amerikanische Physikalische Gesellschaft, Salt Lake City, USA, November 2011.

Savaglio, S.: "Made in Calabria"-Auszeichnung, Rome, Italy, February 2011.

Schwabe, M.: Promotionspreis, Europäische Physikalische Gesellschaft, Strasbourg, France, June 2011.

Wissenschaftliche Arbeitsgruppen

Mitarbeiter nach wissenschaftlichen Arbeitsgruppen



Infrarot / Submillimeter-Astronomie

Sekretariat: Harai-Ströbl, S.

Agudo Berbel, A.; Berta, Dr. S.; Bruderer, Dr. S.; Contursi, Dr. A.; Davies, Dr. R.; de Jong, Dr. J.A.; Dodds-Eden, Dr. K.; Doublier Pritchard, Dr. V.; Eisenhauer, Dr. F.; Fedele, Dr. D. (seit 1.8.); Feuchtgruber, Dipl.-Phys. H.; Förster Schreiber, Dr. N.; Geis, Dr. N.; Gilllesen, Dr. S.; Gracia Carpio, Dr. J.; Gräter, A.; Hailey-Dunsheath, Dr. S. (bis 30.9.); Herczeg, Dr. G. (bis 30.11.); Hofmann, Dr. R.; Kanneganti, Dr. S. (bis 30.6.); Katterloher, Dr. R.; Kleiser, A.; Krombach, H.; Kurk, Dr. J.; Lutz, Dr. D.; Magnelli, Dr. B.; Müller, Dr. T.; Nordon Dr. R.; Osterhage, S.; Poglitsch, Dr. A.; Popesso, Dr. P.; Raab, Dr. W.; Rabien, Dr. S.; Rosario, Dr. D.; Saintonge, Dr. A.; Sturm, Dr. E.; Tacconi, Dr. L.; Vilenius, Dr. E.; Wetzstein, Dr. M.; Wuyts, Dr. S.; Zanker-Smith, J.

Gäste

Amorim, Prof. A. (5.5.-4.6.); Cuadra, Dr. J. (4.-28.7.); Doty, Dr. S. (25.7.-19.8.); González Alfonso, Prof. E. (13.-27.7.); Fischer, Prof. J. (13.-27.7.); Ibañez, E. (6.7.-15.8.); Jaffe, Prof. D. (30.6.-22.7.); Marcaide, Prof. J. (18.7.-23.12.); Netzer, Dr. H. (10.7.-20.8.); Newman, S. (2.6.-15.7., 30.11.-23.12.); Piqueras López, Dr. J. (2.9.-22.12.); Renzini, Prof. A. (7.-18.3.); Santini, P. (bis 17.4.); Sternberg, Prof. A. (3.6.-4.7.); Veilleux, Prof. S. (29.7.-28.8.); Zeidler, P. (30.8.-31.10.)

Doktoranden / Diplomanden / Master

Buschkamp, P. (Hofmann); Engel, H. (bis 28.2., Davies); Fritz, Dipl. Phys. T. (Gilllesen); Karska, A. (van Dishoeck); Kister, C. (Gilllesen); Lippa, M. (seit 24.10., Gilllesen);

Loose, C. (seit 12.9., Rabien); Moch, D. (bis 30.6., Gilllesen); Orban di Xivry, G. (Rabien); Pfuhl, O. (Eisenhauer)

Hochenergie-Astrophysik

Sekretariat: Boller, B.

Team Assistentin: Frankenhuizen, W.

Andritschke, Dr. R.; Balestra, Dr. I. (bis 31.10.); Becker, Dr. W.; Böhringer, Dr. H.; Boller, Prof. Dr. T.; Bongiorno, Dr. A.; Bräuning, Dr. H.; Bribian-Sanchez, B. (bis 30.4.); Brightman, Dr. M. (bis 28.2., seit 1.11.); Brunner, Dr. H.; Brusa, Dr. M.; Buchner, J. (seit 1.10.); Burkert, Dr. W.; Buron, A. (seit 14.2.); Burwitz, Dr. V.; Coppa, Dr. G. (bis 31.8.); Dennerl, Dr. K.; Diehl, Dr. R.; Dwelly, Dr. T. (seit 21.11.); Elbs, Dr. J.; Eder, Dipl.-Ing. J.; Fassbender, Dr. R.; Filgas, Dr. R. (seit 1.11.); Finoguenov, Dr. A.; Foley, Dr. S.; Freyberg, Dr. M.; Friedrich, Dr. P.; Gaida, R.; Georgakakis, A. (seit 1.9.); Greiner, Dr. J.; Guglielmetti, F.; Haberl, Dr. F.; Hahn, A. (seit 1.9.); Hartmann, K.; Hartner, Dipl.-Math. G.; Henze, Dr. M. (seit 1.3.); Kienlin von, Dr. A.; Kimmel, Dr. N. (bis 30.9.); Kim, J.W.; Koceluch, L. (bis 30.9.); Komossa, Dr. S. (bis 31.3.); Krühler, Dr. T. (bis 31.5.); Lemson, Dr. G.; Lerchster, M. (bis 31.1.); Maggi, P. (seit 1.9.); Martin, Dr. P. (bis 31.1.); Meidinger, Dr. N.; Merloni, Dr. A.; Mühlegger, Dr. M. (bis 31.8.); Nardini, Dr. M. (bis 13.3.); Pfeffermann, Dipl.-Phys. E.; Pierini, Dr. D. (bis 28.2.); Pietsch, Dr. W.; Predehl, Dr. P.; Rau, Dr. A.; Rommerskirchen, T. (seit 1.6.); Rovilos, Dr. M. (bis 28.2.); Savaglio, Dr. S.; Schaller, G.; Schopper, Dr. F.; Schady, Dr. P.; Stefanescu, A.; Strong, Dr. A.; Strüder, Prof. Dr. L.; Treis, Dr. J.; Voges, Dr. W.; Vongehr, Dr. M.; Walther, S. (seit 14.11.); Winter, Dr. A.; Zhang, Dr. X.-L.

Gäste

Aird, Dr. J. (14.-17.6.); Ajello, Dr. M. (26.-30.1.); Balestra, Dr. I. (seit 1.11.); Cappi, Dr. M. (1.4.-31.5.); Dainotti, M.G. 10.-11.1.); Iovino, A. (23.-25.2.); Pressato, V. (23.-25.2.); Filipovic, Dr. M. (1.9.-3.10.); Georgakakis, Dr. A. (4.-7.4.); Hatzidimitriou, Prof. D. 22.-28.2.); Hohle, Dr. M. (3.4.-9.5.); Miniutti, Dr. G. (23.-25.11.); Nicastro, Dr. L. (2.-7.5.); Pace, F. (12.-14.10.); Prochaska, Dr. J. (26.-28.7.); Sarazin, Dr. G. (1.-3.12.); Volonteri, Dr. M. (8.-12.11.); Wang, Dr. W. 14.-19.9.)

Doktoranden / Diplomanden / Master

Bähr, A. (Strüder); Bernhardt, M.G. (Becker); Buchner, Dipl. Ph. J. (seit 1.9.); Georgakakis, A. (Nandra); Burlon, D. (Greiner); Buron, A. (bis 31.1., Predehl); Capelli, R. (Predehl); Chaudhary, Dipl.-Phys. P. (bis 31.10., Hasinger); Granato, Dipl.-Phys. St. (Strüder); Elliot, Dipl.-Phys. J. (Greiner); Erfanianfar, G. (Finoguenov); Fedl, V. (bis 30.6., Strüder); Filgas, R. (bis 31.10., Greiner); Fürmetz, Dipl.-Phys. M. (Predehl); Gruber, D. (Greiner/ von Kienlin); Henze, Dipl.-Phys. M. (bis 28.2., Pietsch); Holland, J. (seit 1.9., Böhringer); Hsu, L.-T. (seit 1.9., Salvato, Nandra); Jocham, C. (Becker); Kretschmer, Dipl.-Phys. K. (bis 13.9., Diehl); Lauf, T. (Strüder); Milles, L. (seit 5.5.); Maggi, P. (seit 1.9., Haberl); Mirkazemi, M. (seit 1.10., Finoguenov); Nastasi, A. (Böhringer); Olivares, F. (Greiner); Prinz, T. (Becker); Reichert, A. (bis 28.2., Böhringer); Schmalzer, Dipl.-Phys. G. (Meidinger); Sturm, R. (Haberl); Sudilovsky, Dipl. Phys. V. (seit 1.9., Greiner); Suhada, Dipl. Phys. R. (bis 14.9., Böhringer); Weissmann, Dipl. Phys. A. (Böhringer); Ziparo, F. (Böhringer)

Theorie und Komplexe Plasmen

Sekretariat: Langer, A.

Antonova, Dr. T.; Aschenbrenner, Dr. T.; Bandyopadhyay, Dr. P.; Brandt, Dr. P.; Bunk, Dr. W.; Chaudhuri, Dr. M.; Couédel, Dr. L. (bis 15.1.); Höfner, Dipl.-Phys. H. (bis 30.11.); Hou, Dr. L. (bis 28.2.); Ivlev, Dr. A.; Khrapak, Dr. S. (bis 28.2.); Klumov, Dr. B. (bis 31.7.); Knapek, Dr. C.; Kopopka, Dr. U.; Kretschmer, Dr. M.; Li, D.; Li, Dr. Y.; Mitic, Dr. S.; Monetti, Dr. R.; Nosenko, Dr. T.; Pustynnik, Dr. M.; Räch, Dr. C.; Rubin-Zuzic, Dr. M.; Scheingraber, Dr. H.; Schwabe, Dr. M.; Shimizu, Dr. T.; Shimizu, Dr. S.; Sidorenko, Dr. I.; Sütterlin, Dr. R.; Taghizadeh, Dr. L. (seit 1.11.); Thoma, Dr. M.; Thomas, Dr. H.; Yaroshenko, Dr. V.; Zhdanov, Dr. S.; Zimmermann, Dr. J.

Gäste

Atmanspacher, H. (13.-19.2.); Hartquist, T. (16.-23.7.); Khrapak, A. (bis 28.2.); Tsyrovich, V. (bis 26.4.); Vladimirov, S. (15.-20.5.)

Doktoranden / Diplomanden / Master

Avvisati, G. (seit 1.3., Ivlev); Boxhammer, V. (Zimmermann); Du, Ch. (Thomas); Du, Y. (seit 1.12., Y. Li); Fink, Dipl.-Phys. M. (Morfill); Heidemann, R. (Thomas); Huber, Dipl.-Phys. P. (Morfill); Jeon, J. (Zimmermann); Jiang, Ke (bis 31.8., Morfill); Klämpfl, T. (Zimmermann); Köritzer,

J. (Zimmermann); List, J. (bis 31.5., Morfill); Modest, H. (Räch); Mihatsch, Dipl. Phys. S. (bis 31.8., Morfill); Röcker, Dipl.-Phys. T. (Ivlev); Rossmann, Dipl. Phys. G. (Morfill); Semenov, A. (Thomas); Wörner, L. (Thoma)

Optische und Interpretative Astronomie

Sekretariat: Ingram C.; Niebis, B.

Aswathanarayan, C.; Bode, Dr. A.; Bohnet, A.; Davis, Dr. A. (seit 1.8.); Drory, Dr. N. (1.7.-15.8.); Erwin, Dr. P.; Geis, Dr. N.; Gerhard, Prof. Dr. O.; Grupp, Dr. F.; Höfner, H.; Hopp, Dr. U.; Junk, Dr. V. (bis 31.8.); Katterloher, Dr. R.; Kormendy, Prof. Dr. J. (bis 31.12.); Lahav, Dr. O. (1.-30.9.); Landriau, Dr. M.; Martinez-Valpuesta, Dr. I.; Mazzalay, Dr. X.; Morganti, L.; Muschielok, B.; Phleps, Dr. S.; Powell, L. (bis 31.8.); Rubin-Zuzic, Dr. M. (bis 30.4.); Saglia, PD Dr. R.; Saha, Dr. K.; Sanchez, Dr. A.; Senger, Dr. R.; Snigula, J.; Steele, Dr. P.; Thomas, Dr. J.; Ventimiglia, Dr. G. (bis 30.6.); Weller, Prof. Dr. J.; Williams, Dr. M. (seit 1.6.); Wilman, Dr. D.; Wu, Dr. X. (bis 14.6.); Ziaepour, Dr. H.

Gäste

Beifiori, A. (13./14.3.); Drory, N. (20.-27.3.; 24.4.-1.5.); Ferreras, I. (7.-9.3.); Fischer, D. (24.-30.7.); Grassi, T. (2.-5.5.); Haas, M. (4.-8.7.); Hui, D. (24.7.-7.8.); Monna, A. (20.3.-27.03.); Rossi, G. (14.-17.4.); Swinbank, M. (23.-26.2.); Williams, M. (14.-16.3.); Wolstenhulme, R. (1.-31.8.)

Doktoranden / Diplomanden / Master

Beck, A. (Bender); Behrendt, M. (Bender); Bogner, S. (Grupp); Brucalassi, A. (Saglia); Cappetta, M. (Saglia); Chatzopolous, S. (Gerhard); Connelly, J. (bis 30.6., Wilman); Fabricius, M. (bis 28.2.; Bender); Häuser, M. (Hopp); Kosyra, R. (bis 31.8., Bender); Kotarba, H. (bis 30.6.; Bender); Kulkarni, S. (ab 1.9.); Saglia; Longobardi, A. (ab 1.5., Gerhard); Markovitch, K. (Weller); Monna, A. (seit 1.5.; Bender); Morganti, L. (Gerhard); Opitsch, M. (seit 1.12.; Saglia); Pekruhl, S. (Bender); Rosotti, G. (seit 1.10., Bender); Rusli, S. (bis 30.4.; Saglia); Strübig, C. (bis 28.2., Bender); Wulstein, P. (seit 1.11., Saglia); Zendejas, J. (Saglia)

Forschungsgruppe Burkert

Burkert, Prof. Dr. A.; Dobbs, C.; Krause, Dr. M.; Schartmann, Dr. M.

Doktoranden / Diplomanden / Master

Alig, C.; Hirschmann, M.; Ntormousi, E. (bis 30.9.); Oser, L.

Forschungsgruppe Khochfar

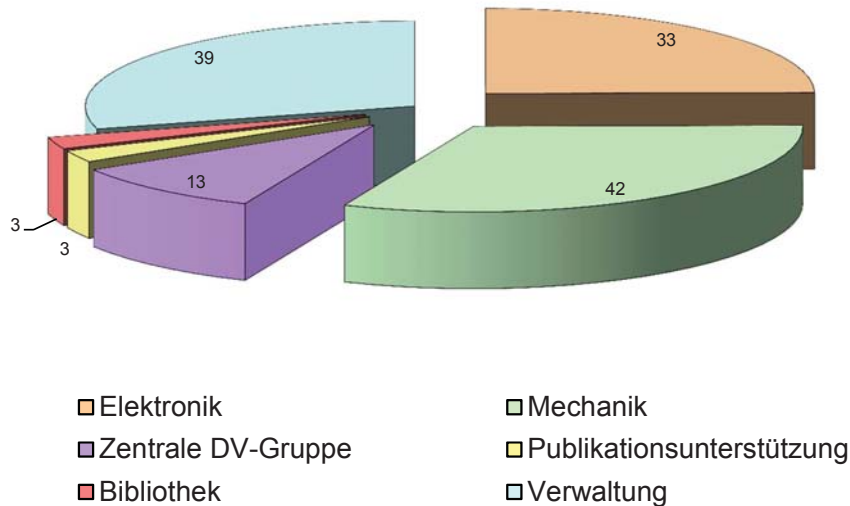
Dalla Vecchia, Dr. C.; Durier, Dr. F. (bis 30.9.); Gaibler, Dr. V.; Johnson, Dr. J. (bis 2.8.); Khochfar, PD Dr. S.; Maio, Dr. U.; Neistein, Dr. E.; Paardekooper, Dr. J.-P.

Doktoranden / Diplomanden / Master

Agarwal, B.

Ingenieurbereich und Werkstätten

Ingenieurbereich, Werkstätten und Zentrale Bereiche



- Elektronik
- Mechanik
- Zentrale DV-Gruppe
- Publikationsunterstützung
- Bibliothek
- Verwaltung

Elektronik

Tarantik, Dipl.-Ing. K. (Leitung Elektronik)

Albrecht, Dipl.-Ing. S.; Barl, Dipl.-Ing. (FH) L.; Bornemann, Dipl.-Ing. (FH) W.; Burghardt, Dipl.-Ing. (FH) T.; Cibooglu, H.; Deuter, M.; Emslander, A.; Gressmann, R.; Hagl, Dipl.-Ing. (FH) T.; Hälker, Dipl.-Ing. (FH) O.; Hans, O.; Hengmith, M.; Herrmann, Dipl.-Ing. (FH) S.-C. (bis 30.9.); Kellner, Dipl.-Ing. (FH) S.; Kink, Dipl.-Ing. (FH) W.; Langer, P.; Lederer, R.; Mießner, D.; Müller, Dipl.-Ing. (FH) S.; Oberauer, F.; Plasoianu, Dipl.-Ing. G.; Rau, Dipl.-Ing. (FH) C.; Reiffers, J.; Reiss, P.; Rupprecht, T.; Schneider, M.; Schrey, F.; Tomic, K.; Wildgruber, Dipl.-Ing. G.; Yaroshenko, V.; Zanker-Smith, J.; Zhang, Z.; Ziegleder, Dipl.-Ing. (FH) J.

Mechanik und Testlabor

Thiel, Dipl.-Ing. M. (bis 30.9., Leitung Mechanik)

Schubert, Dr. J. (seit 1.12., Leitung Mechanik)

Blasi, T.; Deysenroth, C.; Deysenroth, M.; Dittrich, Dipl.-Ing. (FH) K.; Gemperlein, Dipl.-Phys. H.; Haug, Dipl.-Ing.

(FH) M.; Haußmann, F.; Huber, Dipl.-Ing. H.; Liebhardt, J. (bis 30.9.); Mayr-Ihbe, R.; Mican, Dipl.-Ing. B.; Paßlach, Dipl.-Ing. (FH) S.; Penka, D. (seit 1.2.); Pietschner, Dipl.-Ing. (FH) D.; Plangger, M.; Rohe, C.; Schreib, R.; Stadler, G. (bis 31.3.); Strecker, R.; Tiedemann, Dipl.-Ing. L.

Mechanische Werkstatt

Czempiel, S. (Leitung Mechanische Werkstatt)

Bayer, R.; Brandstetter, J. (bis 31.7.); Brara, A.; Budau, B.; Dietrich, G.; Eibl, J.; Feldmeier, P.; Gahl, J.; Goldbrunner, A.; Hartwig, J.; Honsberg, M.; Huber, D. (seit 1.2.); Huber, F.-X.; Huber, S.; Kestler, H.-J.; Mayr, R.; Sandmair, R.; Schneider, A.; Schnell, P.; Schunn, W.; Senftleben, S. (seit 1.2.); Soller, F.; Straube, P.

Auszubildende

Cziasto, D.; Greil, M.; Hiefinger, M.; Huber, D. (bis 31.1.); Kratschmann, T.; Mihé, F.; Müller, M.; Reinold, A.; Senftleben, S. (bis 31.1.); Wachendorf, M.

Werksstudenten, Praktikanten und Zeithilfen

Werksstudenten

Frost, C.; Llobet Blandino, F.; Leute, J.; Lutz, K.; Müller, A.; Ovari, S.; Salzgerber, M.;

Praktikanten

Schülerpraktikum

Grosso, F.; Hujber, A.; Mehrgan, K.; Moebius, M.; Nuhiu, F.; Pakari, O.; Perl, A.; Scheffler, J.; Schneider, C.; Semenov, M.; Tacconi-Garman, E.; Thoma, T.; Weidinger, J.

Hochschulpraktikum

Boose Y.; Bribian, E.; Famulok, N.; Kurowski, M.; Lüst, M.; Prade, L.; Zeidler, P.

Zeithilfen

Baumgartner, J.; Bogner, S.; Breithuth, F.; Breuning, E.; Christof, J.; Hübner, R.; Ingram, E.; Ingram, M.; Knapp, J.; Müller, M.; Müller, S.; Oberauer, A.; Paul, A.; Sedlmeir, G.; Zeindl, F.

Zentrale Bereiche

Datenverarbeitung

DV-Ausschuß

Haberl, Dr. F. (Leitung)

Bohnet, Dipl.-Phys. A.; Burwitz, Dr. V.; Lutz, Dr. D.; Müller, Dipl.-Ing. (FH) S.; Ott, Dr. T. (Stellvertreter); Rubin-Zuzic, Dr. M.; Sütterlin, R.; von Kienlin, Dr. A.

Zentrale DV-Gruppe

Haberl, Dr. F. (Leitung)

Baumgartner, H. (Netzwerk, Systemsupport Hochenergie); Bohnet, Dipl.-Phys. A. (Systemsupport Optische und Interpretative Astronomie); Bribian-Sanchez, B. (Systemsupport Hochenergie, bis 30.4.); Kleiser, A. (Druckerbetreuung); Klose, L. (Netzwerk, Systemsupport); Kollmer, C. (Systemsupport PC und Linux); Oberauer, A. (Software, PC Betreuung); Ott, Dr. T. (Systemsupport Infrarot); Paul, J. (Netzwerk, Systemsupport Hochenergie, Datenschutzbeauftragter); Sigl, Dipl.-Ing. (FH) R. (Netzwerkmanagement); Snigula, J. (Support Optische und Interpretative Astronomie); Steinle, Dr. H. (Datenbanken, Archivsysteme, WWW); Wieprecht, Dipl.-Ing. E. (Support Infrarot); Wiezorrek, Dipl.-Ing. (FH) E. (Support Infrarot)

Publikationsunterstützung

Hauner, R.; Mayr-Ihbe, R.; Mory, B.

Bibliothek

Chmielewski, E. (Leitung)

Blank, E.; Hardt, C.

Verwaltung

Ihle, M. (Leitung VAD)

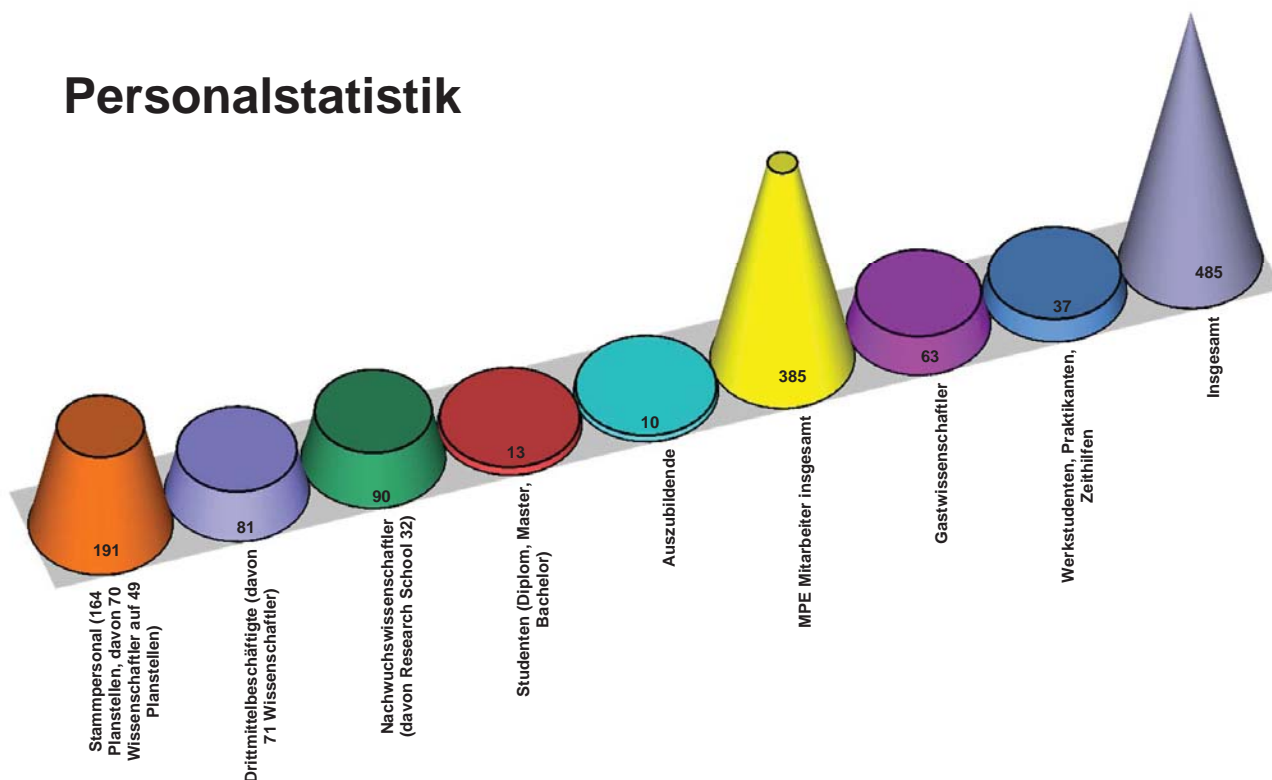
Sekretariat: Kliem, V.

Altlinger, C.; Apold, G.; Arturo, A.; Bauernfeind, M; Bitzer, U.; Blascheck, M.; Cziasto, U.; Doll, E.; Eicher, C.; Ertl, M.; Goldbrunner, S.; Grasmann, M; Grohmann, M.; Gschnell, H.-P.; Inhofer, I.; Jäkel, T.; Jirsch, J.; Karing, W.; Keil, M.; Kestler, L.; Kürzinger, T.; Kuhwald, E.; Mayer, L.; Nagy, A.; Neun, A. (BR); Peischl, M.; Preisler, C.; Reither, A.; Rochner, R.; Rossa, E.; Sandtner, P.; Sarsilmaz, E. (bis 31.5.); Scheiner, B.; Schwaiger, S.; Steinle, R.; Strecker, R.; Thies, L.; Vogt, J.P.

IMPRS

Collmar, E.; Schubert, V. (seit 1.7.)

Personalstatistik

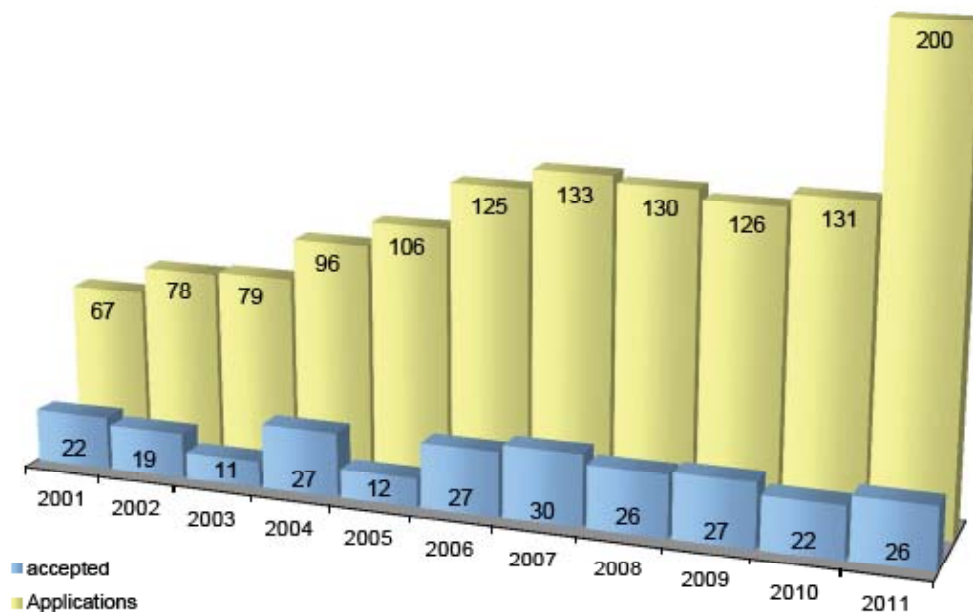


Internationale Max-Planck Research School (IMPRS) für Astrophysik

Die IMPRS für Astrophysik ist eine Graduiertenschule an der Ludwig-Maximilians-Universität (LMU) München. Sie ist ein gemeinsames Projekt der beiden Max-Planck-Institute MPE und MPA (Max-Planck-Institut für Astrophysik) sowie der Sternwarte der LMU München und der Europä-

ischen Südsternwarte ESO. Im akademischen Jahr 2011 nahmen insgesamt 80 Studenten an dem Programm teil, davon 32 am MPE. Im Jahr 2011 haben sich 200 Studenten für das Studienjahr 2012 beworben, wovon 26 angenommen wurden (Stand April 2012).

IMPRS Applications since 2001



Jährliche Bewerbungen für das IMPRS Programm in Garching. Seit dem Start haben sich insgesamt 1271 Studenten dafür beworben.

Öffentlichkeitsarbeit

Das MPE engagierte sich 2011 durch folgende Aktivitäten in der Öffentlichkeitsarbeit: 28 populär-wissenschaftliche Vorträge durch Wissenschaftler, 4 populärwissenschaftliche Artikel, 16 Pressemitteilungen über wissenschaftliche Ergebnisse, davon 8 MPE-federführend, 28 Institutsführungen (meist naturwissenschaftlich orientierte Schulklassen), die Betreuung von 13 Schüler- (1 - 2

Wochen) und 7 Hochschulpraktikanten (4 - 8 Wochen). Darüberhinaus fand 2011 wieder ein Tag der offenen Tür mit ca. 2500 Besucher statt. Am Girl's Day informierten sich 50 Mädchen über das Institut. Weitere Informationen zur Öffentlichkeitsarbeit sind unter <http://www.mpe.mpg.de/2305/public-outreach> zu finden.

Projekt-Gruppen

(Projektleiter unterstrichen)

Infrarot- und Submillimeter-Astronomie

Stellvertreter des Gruppendirektors:

Lutz, Tacconi.

GRAVITY

Eisenhauer, Gillessen, Gräter, Haug, Hofmann, Kellner, Kister, Krombach, Lippa, Moch, Pfuhl, Sturm, Thiel, Wieprecht, Zanker-Smith.

Herschel-PACS

Berta, Contursi, Doublier Pritchard, de Jong, Feuchtgruber, Geis, Gueguen, Kleiser, Krombach, Lutz, T. Müller, Osterhage, Poglitsch, Popesso, Sturm, Vilenius, Wetzstein, Wieprecht, Wiezorrek.

KMOS

Agudo Berbel, Davies, Wiezorrek.

LBT Argos

Barl, M. Deysenroth, Gemperlein, Kanneganti, Loose, Orban de Xivry, Raab, Rabien, Ziegleder.

LBT Lucifer

Buschkamp, Eibl, Eisenhauer, Gemperlein, Gräter, Hofmann, Honsberg, Kurk, Lederer, Nordon, Straube.

MICADO

Barl, Davies, Eisenhauer, Förster Schreiber, Thiel.

Sofia-FIFI-LS

Geis, Oberauer, Poglitsch, Raab.

SPICA-SAFARI

Barl, Geis, Poglitsch, Raab.

Galaktisches Zentrum

Dodds-Eden, Eisenhauer, Fritz, Genzel, Gillessen, Ott, Pfuhl.

Galaxienkerne

Contursi, Davies, Engel, Genzel, Gracia Carpio, Hayley-Dunsheath, Lutz, Orban de Xivry, Sturm, Tacconi.

Galaxien bei hoher Rotverschiebung

Berta, Buschkamp, Eisenhauer, Förster Schreiber, Genel, Genzel, Kurk, Loose, Lutz, Magnelli, Nordon, Popesso, Rosario, Saintonge, Sturm, Tacconi, Wuyts.

Sternentstehung

Bruderer, Fedele, Herczeg, Karska, van Dishoeck.

Hochenergie-Astrophysik

Athena

Becker, Boller, Brusa, Burkert, Burwitz, Eder, Finoguenov, Freyberg, Friedrich, Haberl, Herrmann, Lechner, Merloni, Mießner, Nandra, Predehl, Schaller, Schopper, Stefanescu, Strüder, Treis, Trümper, Vongehr, Weidenspöckner, Winter.

CAST

Bräuninger, Strüder.

Chandra

Burwitz, Predehl.

eROSITA

Andritschke, Bornemann, Bräuninger, Brunner, Budau, Burkert, Burwitz, Dennerl, Eder, Eibl, Freyberg, Friedrich, Fürmetz, Gaida, Granato, Haberl, Hälker, Hartmann, Hartner, Hengmith, Hermann, F. Huber, H. Huber, Kink, Meidinger, Mican, Mühlegger, S. Müller, Nandra, Pfeffermann, Pietschner, Predehl, Rohe, Rommerskirchen, Schmalzer, Schreiber, Schrey, Strüder, Tiedemann, Vongehr.

ROSAT

Haberl, Voges.

Swift

Burlon, Greiner, Rau, Schady.

XMM-Newton

Boller, Brunner, Brusa, Dennerl, Freyberg, Haberl, Hartner, Meidinger, Pietsch, Predehl, Strüder, Trümper.

Fermi

Collmar, Diehl, Greiner, Gruber, v. Kienlin, A. Rau, Steinle, Strong.

GROND

Elliot, Filgas, Greiner, Olivares, Schady, Schrey, Sudilovsky.

INTEGRAL

Diehl, v. Kienlin, Strong, X.-L. Zhang.

MXT-SVOM

Meidinger, Strüder.

OPTIMA

A. Rau, Schrey, Steinle.

4MOST

Böhringer, Boller, Dwelly, Merloni.

Aktive Galaxien

Boller, Burlon, Nandra.

Clusters of Galaxies

Böhringer, Chou, Fassbender, Finoguenov, Holland, Nastasi, Pierini, Verdugo, Weißmann, Ziparo.

Cosmic Rays

Strong.

Gamma-Ray Bursts

Burlon, Elliot, Filgas, Greiner, Olivares, A. Rau, Savaglio, Schady, Sudilovsky.

Hochenergie Astrophysik

Braglia, Böhringer, Chon, Faßbender, Giodini, Mois, Nastasi, Pierini, Pratt, Reichert, Santos, Simionescu, Suhada, Verdugo, Ziparo.

Kompakte Objekte

Becker, Burwitz, Greiner, Haberl, Nandra, A. Rau.

Nahe Galaxien

Freyberg, Haberl, Pietsch.

Nukleare Astrophysik

Diehl, v. Kienlin, Kretschmer.

Virtual Observatories

Kim, Lemson, Voges.

Theorie und Komplexe Plasmen

Adaptive Electrode

Antonova, Chauduri, Du, Huber, Morfill, Steffes, Thomas.

Diamant-Labor

Morfill, S. Shimizu, Thomas.

GEC-Labor

Chauduri, Du, Konopka, Morfill, Nosenko, Pustyl'nik, Rubin-Zuzic, Sütterlin, Thomas, Wörner.

Hochfeld-Labor

Bandyopadhyay, Konopka, Morfill, Tarantik, Thomas.

PK-3 Plus

Du, Hagl, Heidemann, P. Huber, Ivlev, Konopka, Khrapak, Morfill, Rubin-Zuzic, Schwabe, Sütterlin, Tarantik, Thomas, Zhdanov.

PK-4

Albrecht, Antonova, C. Deysenroth, Fink, Hagl, Höfner, Kretschmer, Mitic, Morfill, Nosenko, Pustyl'nik, C. Rau, Rubin-Zuzic, Tarantik, Thoma, Thomas.

Plasmalab

Hagl, Ivlev, Knapek, Konopka, Morfill, Rubin-Zuzic, Thomas, Wildgruber.

Plasma Medizin

Boxhammer, Bunk, Czempel, Deckelmann, Jeon, Klämpfl, Köritzer, A. Langer, D. Li, Y. Li, Milles, Mitra, Monetti, Morfill, S. Shimizu, T. Shimizu, Steffes, Stemmer, Taghizadeh, Tarantik, Thomas, Yaroshenko, Zimmermann.

Praktikumsversuch "Plasmakristall"

Brandt, Heidemann, Kretschmer, Morfill, Schwabe, Thoma.

Streifenelektrode

Höfner, Ke, Konopka, Y. Li, Morfill, Steffes, Thomas.

ERC Grant

Brandt, Ivlev, Morfill.

Nichtlineare Dynamik, Komplexe Systeme

Aschenbrenner, Bauer, Bunk, Mihatsch, Modest, Monetti, Müller, R  th, Rosmanit, Scheingraber, Sidorenko.

Optische und Interpretative Astronomie

ASTRO-WISE

Bender, Saglia, Wilman.

EUCLID

Bender, Grupp, Saglia.

KMOS

Bender, Saglia.

MICADO

Bender, Saglia.

PanSTARRS

Bender, Hopp, Phleps, Saglia, Wilman.

Galaxy Dynamics

Bender, Gerhard, Saglia.

Large Scale Structure

Bender, Fabricius, Phleps, Saglia, Sanchez, Wilman.

Stellare Populationen und Galaxienentstehung

Bender, Hopp, Saglia.

Lehrveranstaltungen / Seminare

IMPRS für Astrophysik (2011), Garching

Becker

Doktorandenseminar mit den IMPRS Studenten

Böhringer

Introduction to Cosmology and the study of Large-Scale Structure

Burkert

Introductory Course

LMU München

Bender

Astronomisches Hauptseminar zur Astrophysik (WS 10/11)

Astrophysikalisches Praktikum „A“ und Übungen (WS 10/11)

Astrophysikalisches Praktikum „B“ und Übungen (WS 10/11)

Astronomisches Kolloquium (WS 10/11, SS 11, WS 10/11)

Extragalactic Journal Club (E) (WS 10/11)

Extragalactic Group Seminar (WS 10/11)

Einführung in die fortgeschrittene Astrophysik II (Introduction to Advanced Astrophysics II) (SS 11)

Ergänzung zur Vorlesung P4.1 "Einführung in die fortgeschrittene Astrophysik II" (SS 11)

Astrophysikalisches Hauptseminar II theoretisch und numerisch orientiert, "Tools in modern astrophysics" (SS 11)

Astrophysikalisches Hauptseminar II experimentell und beobachtungsorientiert, "Tools in modern astrophysics" (SS 11)

"Project Seminar: Galaxies". Projektseminar aus dem Bereich der Kosmologie, der großräumigen Strukturen, der Struktur von Galaxien und der Dunklen Materie sowie der Dunklen Energie, der Schwarzen Löcher und der Gravitationslinsen (SS 11)

Grundlagen der fortgeschrittenen Astrophysik (Essentials of Advanced Astrophysics), mit Saglia (WS 10/11)

Ergänzung zur Vorlesung P1.1 "Grundlagen der fortgeschrittenen Astrophysik" (WS 11/12)

Astrophysikalisches Hauptseminar theoretisch und numerisch orientiert, "Tools in modern astrophysics" (WS 11/12)

Technische Universität München

Diehl

Lecture "Observational High-Energy Astrophysics" (SS 11)

Seminar "Nuclei in the Cosmos", "The Evolution of Metallicity in the Universe", Astrophysikalisches Seminar mit Professoren vom TUM/LMU/MPA (WS 10/11)

Seminar "Nuclei in the Cosmos", "Nuclear Reactions in Cosmic Nucleosynthesis", Astrophysikalisches Seminar mit Professoren vom TUM/LMU/MPA (WS 11/12)

Eisenhauer

Einführung in die Astrophysik (WS 10/11, WS 11/12)

Thoma/Kretschmer/Schwabe

Fortgeschrittenen Praktikum III und IV - Versuch 03: Plasmakristall (WS 10/11)

Goethe-Universität Frankfurt

Boller, Th.

Einführung in die Astronomie I (SS 11)

Physik Aktiver Galaxien (WS 11/12)

Heinrich-Heine-Universität Düsseldorf

Ivlev

Complex plasmas - plasma state of soft matter (SS 11)

Universität Giessen

Thoma

Theoretische Plasmaphysik (WS 10/11)

Universität Würzburg

Kanbach

Hochenergie Astrophysik (SS 11)

Sommerschulen

Summer School Alpbach 2011

Poglitsch

Star Formation Across the Universe: Instrumentation Techniques - Scientific Background (SS 11)

Organisation von wissenschaftlichen Seminaren / Konferenzen

HIPE Forum 2011, Garmisch-Partenkirchen, Germany, 28.-30.6.2011, Organisation: E. Sturm, E. Wieprecht, J. Riedinger.

Star Formation in Galaxies: The Herschel Era, Ringberg Castle, Germany, 19.-25.6.2011, Organisation: D. Lutz, L. Tacconi, E. Sturm.

Adaptive Optics for Extremely Large Telescopes II, Victoria, Canada, 25.-30.9.11, Organisation: J.-P. Veran, T. Fusco, Y. Clenet, A. Bouchez, R. Conan, J.-G. Cuby, R. Davies, B. Ellerbroek, S. Esposito, Y. Hayano, P. Hickson, N. Hubin, M. Kasper, M. Kenworthy, O. Lardiere, M. Hart, C. Max, R. Myers, F. Rigaut, T. Rimelle, N. Thatte, M. Troy.

Star formation across space and time: Frontier science with the LBT and other large telescopes, Tucson, AZ, USA, 30.3.-2.4.2011, Organisation: X. Fan, R. Green, T. Henning, R. Kennicutt, S. Kim, J. Kurk, R. Maiolino, C. Scarlata, T. Thompson, T. Thuan.

Kick-Off Meeting of the DFG priority program 1573, Freising, Germany, 2.-3.5.2011, Organisation: M. Scharfmann, A. Burkert, R. Klessen.

Herschel Calibration Steering Group Meeting, MPE, Garching, Germany, 9.9.2011, Organisation: T.G. Müller.

Gas in Galaxies: from Cosmic Web to Molecular Clouds, Kloster Seeon, Germany, 14.-18.6.2011, Organisation: G. Kauffmann (co-chair), L. Staveley-Smith (co-chair), B. Cattinella, E. de Blok, T. Heckman, B. Koribalski, M. Putman, J. Schaye, D. Schiminovich, L. Tacconi, M. Verheijen.

The Physics of Galaxy Formation, Durham, UK, 18.-22.7.2011, Organisation: C. Frenk (co-chair), S. White (co-chair), S. Ellison, T. Heckman, L. Hernquist, R. Ivison, G. Kauffmann, H.-W. Rix, J. Schaye, C. Steidel, L. Tacconi.

Multiwavelength Views of the ISM in High-Redshift Galaxies, Santiago, Chile, 27.-30.6.2011, Organisation: J. Wagg (chair), C. de Breuck (co-chair), A. Baker, C. Carilli, L. Infante, R. Ivison, R. Maiolino, A. Peck, D. Riechers, L. Tacconi, F. Walter, T. Wiklind, M. Yun.

Watching Galaxies Grow Up, Ringberg Castle, Germany, 4.-9.12.2011, Organisation: K. Jahnke (co-chair), A. van der Wel (co-chair), E.F. Bell, R. Bower, E. Daddi, J. Dunlop, S. Faber, M. Franx, A. Maccio, R. Maiolino, H.-W. Rix, R. Somerville, C. Steidel, L. Tacconi, P. van Dokkum.

Astronomy with Radioactivities VII, Phillip Island, Victoria, Australia, 1.-3.3.2011, Organisation: R. Diehl, M. Lugaro, D.H. Hartmann, N. Prantzos, M. Newington.

First International eROSITA conference, Garmisch-Partenkirchen, Germany, 17.-20.10.2011, Organisation: A. Merloni (Chair), P. Predehl (co-chair), M. Arnaud, Y. Balega, T. de Zeeuw, G. Evrard, A. Fabian, K. Nandra, S. Sazonov, A. Schwobe, R. Sunyaev, Y. Ueda, M. Urry, J. Wilms.

First ATHENA Science Workshop, Garching bei München, Germany, 14.-15.6.2011, Organisation: K. Nandra (chair), X. Barcons, D. Barret, A. Decourchelle, T. Dotani, J.W. den Herder, D. Lumb, G. Matt, L. Piro, S. Sciortino, L. Strüder, M. Watson, N. White, D. Willingale.

EWASS2011 EAS Symposium "Combined Ra6.2011. Organisation: G. Paschmann.

Workshop on Particle Acceleration in Cosmic Plasmas, International Space Science Institute, Bern, Switzerland, 16.-20.5.2011, Organisation: A. Balogh, A. Bykov, R.P. Lin, J. C. Raymond, M. Scholer.

Transport Processes and Accretion in YSOs, Schloss Ringberg, Germany, 7.-11.2.2011, Organization: G.J. Herczeg (chair), R. van Boekel (co-chair), A. Sicilia-Aguilar, S. Fromang, L. Hartmann, T. Henning, S. Matt, J. Muzerolle, A. Reiners, M. van den Ancker.

Formation and Early Evolution of Very Low Mass Stars and Brown Dwarfs, ESO, Garching, Germany, 11.-14.10.2011, Organization: I. Baraffe, M. Bate, A. Burkert, F. Comeron, E. van Dishoeck, G. Herczeg, K. Luhman, M. Petr-Gotzens (co-chair), T. Preibisch, T. Stanke, P. Teixeira, L. Testi (co-chair).

Publikationen

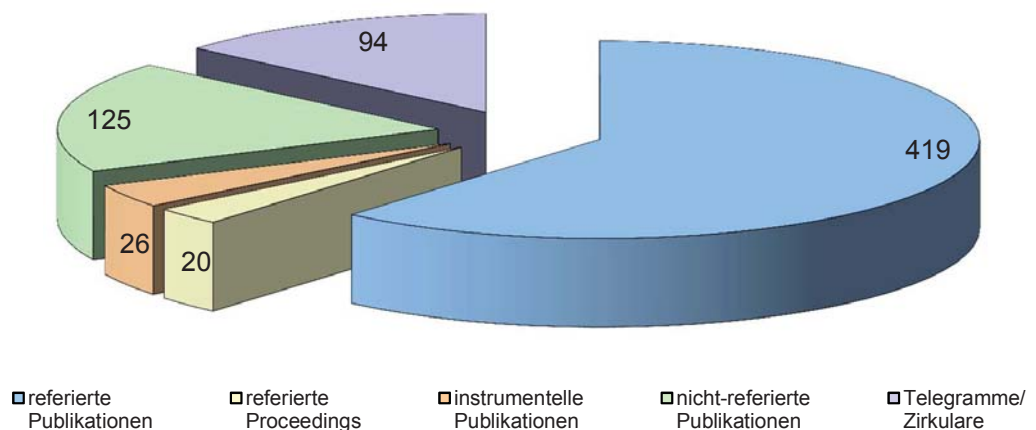
Hier präsentieren wir eine tabularische und graphische Zusammenfassung unserer Veröffentlichungen aus 2011. Die Veröffentlichungen werden nach wissenschaftlicher Arbeitsgruppe und Publikationstyp gezählt. Die Gesamtliste unserer Publikationen aus den verschiedenen Kategorien ist nachfolgend aufgeführt.

Summe der MPE Publikationen in 2011

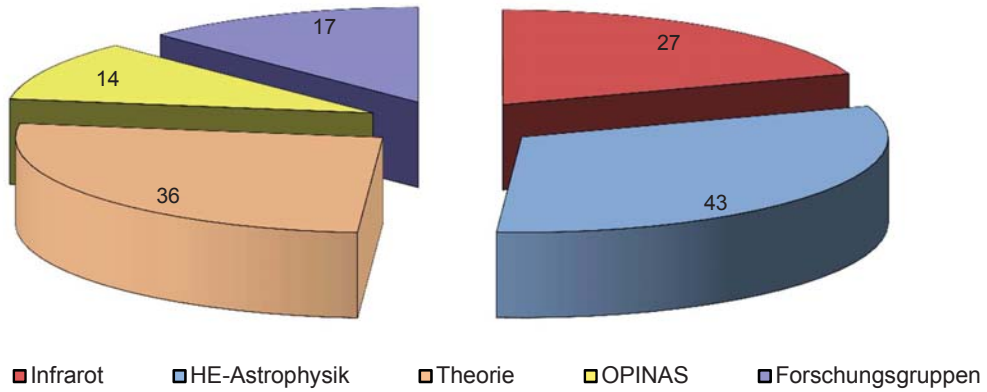
Wissenschaftl. Arbeitsgruppe	referierte Publikationen	referierte Proceedings	Instrument. Publikationen	nicht-referierte Publikationen	Telegramme/ Zirkulare	Vorträge	Poster
IR	27 (114)	0 (5)	0 (2)	13 (46)	2 (3)	94 (133)	8
HE Astrophysik	43 (159)	3 (9)	5 (19)	13 (33)	48 (86)	75 (119)	13
Theorie	36 (48)	2 (3)	0 (0)	16 (24)	0 (0)	32 (55)	21
OPINAS	14 (64)	3 (3)	0 (5)	3 (14)	1 (4)	27 (39)	3
Forschungsgruppen	17 (34)	0 (0)	0 (0)	5 (8)	0 (1)	16 (18)	0
Insgesamt	137 (419)	8 (20)	5 (26)	50 (125)	51 (94)	244 (364)	45

Die Zahlen geben die Anzahl der Publikationen mit einem Erstautor vom MPE beziehungsweise die Anzahl der eingeladenen (bei Konferenzen und zu Kolloquien) Vorträge an. Die roten Zahlen in Klammern zeigen die Gesamtzahl der Veröffentlichungen mit MPE-Autorenschaft (inklusive MPE Erstautoren) beziehungsweise die Gesamtzahl der gehaltenen Vorträge. Veröffentlichungen mit Beteiligung aus mehreren Arbeitsgruppen sind bei der Gruppe des führenden Autors gezählt. Bei Postern wurden nur MPE Erstautorenschaften berücksichtigt.

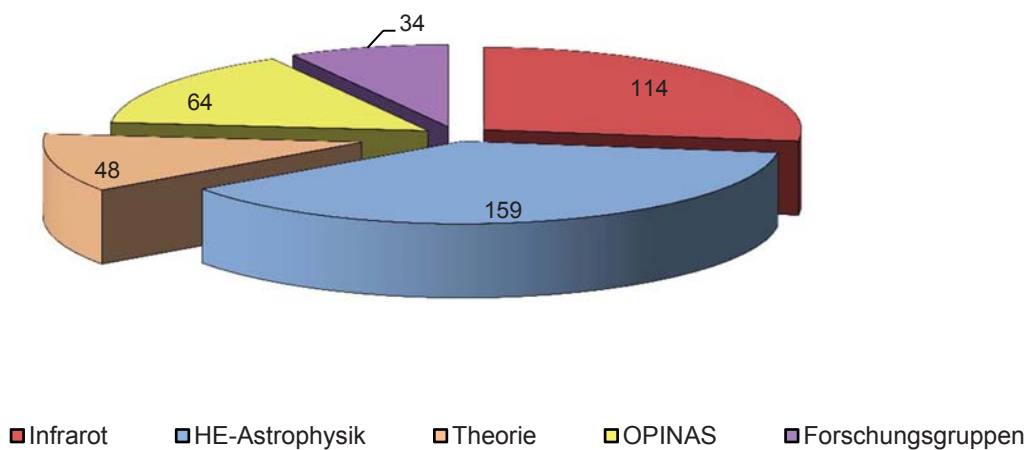
MPE Publikationen insgesamt 2011 (nach Typ)



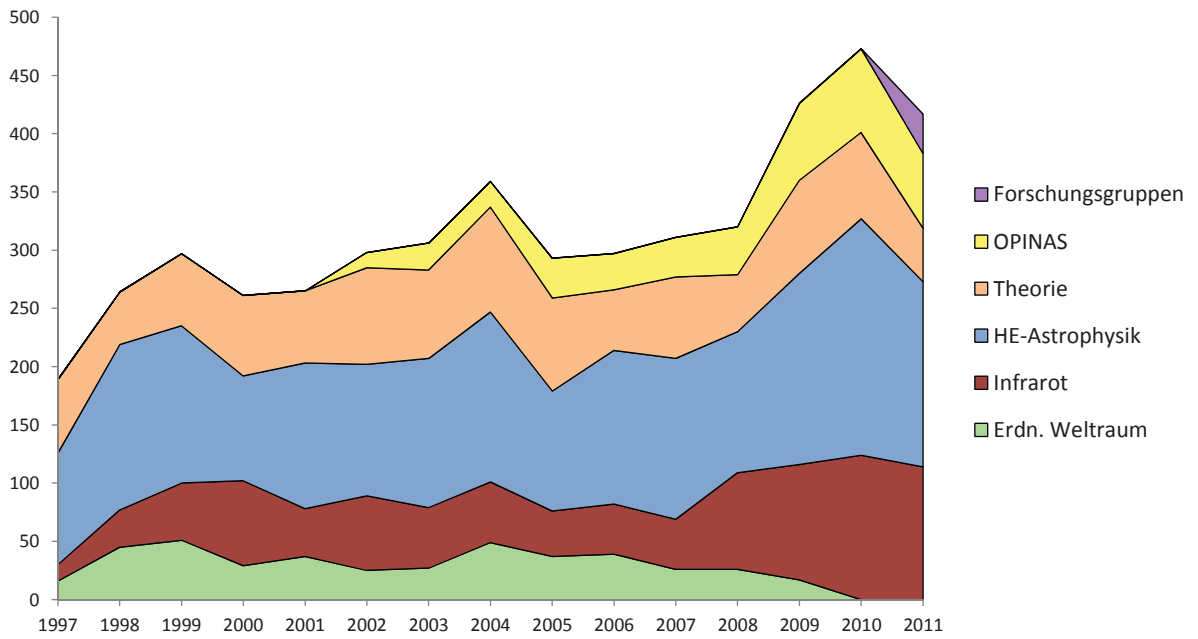
Referierte Publikationen mit MPE Erstautor in 2011 (nach wissenschaftlicher Arbeitsgruppe)



Gesamtzahl der referierten MPE Publikationen in 2011 (nach wissenschaftlicher Arbeitsgruppe)



**Zeitliche Entwicklung der Gesamtzahl der referierten Publikationen
(nach wissenschaftlicher Arbeitsgruppe)**



Referierte Publikationen

- Abadie, J., B.P. Abbott, R. Abbott, ..., A. von Kienlin, ..., A. Rau, et al.: Search for Gravitational Wave Bursts from Six Magnetars. *Ap. J. Lett.* 734, L35 (2011).
- Abboud, A., S. Send, R. Hartmann, L. Strüder, A. Savan, A. Ludwig, N. Zotov and U. Pietsch: Applications of an energy-dispersive pnCCD for X-ray reflectivity: Investigation of interdiffusion in Fe-Pt multilayers. *Physica Status Solidi Applied Research* 208, 2601-2607 (2011).
- Abdo, A.A., M. Ackermann, M. Ajello, ..., A.W. Strong, et al.: Fermi Large Area Telescope Observations of Two Gamma-Ray Emission Components from the Quiescent Sun. *Ap. J.* 734, 116 (2011).
- Abdo, A.A., M. Ackermann, M. Ajello, ..., A. von Kienlin, et al.: Detection of High-energy Gamma-Ray Emission During the X-Ray Flaring Activity in GRB 100728A. *Ap. J. Lett.* 734, L27 (2011).
- Ackermann, M., M. Ajello, A. Allafort, ..., A.W. Strong, et al.: The Second Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. *Ap. J.* 743, 171 (2011).
- Ackermann, M., M. Ajello, A. Allafort, ..., A.W. Strong, et al.: A Cocoon of Freshly Accelerated Cosmic Rays Detected by Fermi in the Cygnus Superbubble. *Science* 334, 1103 (2011).
- Ackermann, M., M. Ajello, K. Asano, ..., A. von Kienlin, et al.: Detection of a Spectral Break in the Extra Hard Component of GRB 090926A. *Ap. J.* 729, 114 (2011).
- Ackermann, M., M. Ajello, L. Baldini, ..., A.W. Strong, et al.: Constraints on the Cosmic-ray Density Gradient Beyond the Solar Circle from Fermi γ -ray Observations of the Third Galactic Quadrant. *Ap. J.* 726, 81 (2011).
- Adams, J.J., G.A. Blanc, G.J. Hill, K. Gebhardt, N. Drory, L. Hao, R. Bender, J. Byun, R. Ciardullo, M.E. Cornell, S.L. Finkelstein, A. Fry, E. Gawiser, C. Gronwall, U. Hopp, D. Jeong, A. Kelz, R. Kelzberg, E. Komatsu, P.J. MacQueen, J. Murphy, P.S. Odoms, M. Roth, D.P. Schneider, J.R. Tufts and C.P. Wilkinson: The HETDEX Pilot Survey. I. Survey Design, Performance, and Catalog of Emission-line Galaxies. *Ap. J. Supp. Ser.* 192, 5 (2011).
- Ade, P.A.R., N. Aghanim, M. Arnaud, ..., J. Weller, et al.: Planck early results. VIII. The all-sky early Sunyaev-Zeldovich cluster sample. *Astron. Astrophys.* 536, A8 (2011).
- Afonso, P., J. Greiner, E. Pian, S. Covino, D. Malesani, A. Küpcü Yoldaş, T. Krühler, C. Clemens, S. McBreen, A. Rau, D. Giannios and J. Hjorth: GRB 050502B optical afterglow: a jet-break at high redshift. *Astron. Astrophys.* 526, A154 (2011).
- Aghanim, N., M. Arnaud, M. Ashdown, ..., H. Böhringer, ..., J. Weller, et al.: Planck early results. XXVI. Detection with Planck and confirmation by XMM-Newton of PLCK G266.6-27.3, an exceptionally X-ray luminous and massive galaxy cluster at $z \sim 1$. *Astron. Astrophys.* 536, A26 (2011).
- Aguilar, M., J. Alcaraz, J. Allaby, ..., J. Trümper, et al.: Isotopic Composition of Light Nuclei in Cosmic Rays: Results from AMS-01. *Ap. J.* 736, 105 (2011).
- Agüeros, M.A., B. Posselt, S.F. Anderson, P. Rosenfield, F. Haberl, L. Homer, B. Margon, E.R. Newsom and W. Voges: No Confirmed New Isolated Neutron Stars in the SDSS Data Release 4. *Astron. J.* 141, 176 (2011).
- Aihara, H., C. Allende Prieto, D. An, ..., S. Phleps, et al.: The Eighth Data Release of the Sloan Digital Sky Survey: First Data from SDSS-III. *Ap. J. Supp. Ser.* 193, 29 (2011).
- Alatalo, K., L. Blitz, L.M. Young, T.A. Davis, M. Bureau, L.A. Lopez, M. Cappellari, N. Scott, K.L. Shapiro, A.F. Crocker, S. Martín, M. Bois, F. Bounaud, R.L. Davies, P.T. de Zeeuw, P.-A. Duc, E. Emsellem, J. Falcón-Barroso, S. Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, P. Serra and A. Weijmans: Discovery of an Active Galactic Nucleus Driven Molecular Outflow in the Local Early-type Galaxy NGC 1266. *Ap. J.* 735, 88 (2011).
- Alig, C., A. Burkert, P.H. Johansson and M. Schartmann: Simulations of direct collisions of gas clouds with the central black hole. *Mon. Not. R. Astron. Soc.* 412, 469-486 (2011).
- Allevato, V., A. Finoguenov, N. Cappelluti, T. Miyaji, G. Hasinger, M. Salvato, M. Brusa, R. Gilli, G. Zamorani, F. Shankar, J.B. James, H.J. McCracken, A. Bongiorno, A. Merloni, J.A. Peacock, J. Silverman and A. Comastri: The XMM-Newton Wide Field Survey in the COSMOS Field: Redshift Evolution of AGN Bias and Subdominant Role of Mergers in Triggering Moderate-luminosity AGNs at Redshifts up to 2.2. *Ap. J.* 736, 99 (2011).
- Altay, G., T. Theuns, J. Schaye, N.H.M. Crighton and C. Dalla Vecchia: Through Thick and Thin - HI Absorption in Cosmological Simulations. *Ap. J. Lett.* 737, L37 (2011).
- Ammons, S.M., D.J. Rosario, D.C. Koo, A.A. Dutton, J. Melbourne, C.E. Max, M. Mozena, D.D. Kocevski, E.J. McGrath, R.J. Bouwens and D.K. Magee: AGN Unification at $z \sim 1$: $u - R$ Colors and Gradients in X-Ray AGN Hosts. *Ap. J.* 740, 3, (2011).
- Andersson, K., B.A. Benson, P.A.R. Ade, ..., J.J. Mohr, et al.: X-Ray Properties of the First Sunyaev-Zel'dovich Effect Selected Galaxy Cluster Sample from the South Pole Telescope. *Ap. J.* 738, 48 (2011).
- Annaratone, B.M., A.V. Ivlev, V.E. Fortov, A.G. Khrapak, S.A. Khrapak, V.I. Molotkov and G.E. Morfill: Complex Plasmas With Rodlike Particles. *IEEE Trans. Plasma Sci.* 39, 2732-2733 (2011).
- Arasa, C., S. Andersson, H.M. Cuppen, E.F. van Dishoeck and G.J. Kroes: Molecular dynamics simulations of D2O ice photodesorption. *Journal of Chemical Physics* 134, 164503 (2011).
- Arik, M., S. Aune, K. Barth, ..., H. Bräuninger, et al.: Search for Sub-eV Mass Solar Axions by the CERN Axion Solar Telescope with He3 Buffer Gas. *Phys. Rev. Lett.*

- 107, 261302 (2011).
- Ashby, M.L.N., S. Mahajan, H.A. Smith, S.P. Willner, G.G. Fazio, S. Raychaudhury, A. Zezas, P. Barmby, P. Bonfini, C. Cao, E. González-Alfonso, D. Ishihara, H. Kaneda, V. Lyttle, S. Madden, C. Papovich, E. Sturm, J. Surace, H. Wu and Y.-N. Zhu: The Star Formation Reference Survey. I. Survey Description and Basic Data. *Publ. Astron. Soc. Pac.* 123, 1011-1029 (2011).
- Assef, R.J., K.D. Denney, C.S. Kochanek, B.M. Peterson, S. Kozłowski, N. Ageorges, R.S. Barrows, P. Buschkamp, M. Dietrich, E. Falco, C. Feiz, H. Gemperlein, A. Germeroth, C.J. Grier, R. Hofmann, M. Juette, R. Khan, M. Kilic, V. Knierim, W. Laun, R. Lederer, M. Lehmitz, R. Lenzen, U. Mall, K.K. Madsen, H. Mandel, P. Martini, S. Mathur, K. Mogren, P. Müller, V. Naranjo, A. Pasquali, K. Polsterer, R.W. Pogge, A. Quirrenbach, W. Seifert, D. Stern, B. Shappee, C. Storz, J. van Saders, P. Weiser and D. Zhang: Black Hole Mass Estimates Based on C IV are Consistent with Those Based on the Balmer Lines. *Ap. J.* 742, 93 (2011).
- Balaguera-Antolínez, A., A.G. Sánchez, H. Böhringer, C. Collins, L. Guzzo and S. Phleps: The REFLEX II galaxy cluster survey: power spectrum analysis. *Mon. Not. R. Astron. Soc.* 413, 386-400 (2011).
- Balogh, M.L., S.L. McGee, D.J. Wilman, A. Finoguenov, L.C. Parker, J.L. Connelly, J.S. Mulchaey, R.G. Bower, M. Tanaka and S. Giodini: Direct observational evidence for a large transient galaxy population in groups at $0.85 < z < 1$. *Mon. Not. R. Astron. Soc.* 412, 2303-2317 (2011).
- Barnard, R., M. Garcia, S. Murray, N. Nooraee and W. Pietsch: Observations of the recurrent M 31 transient XMMU J004215.8+411924 with Swift, Chandra, HST, and Einstein. *Astron. Astrophys.* 526, A50 (2011).
- Barsukova, E.A., V.P. Goranskij, K. Hornoch, S. Fabrika, W. Pietsch, O. Sholukhova and A.F. Valeev: The first spectroscopically confirmed Mira star in M33. *Mon. Not. R. Astron. Soc.* 413, 1797-1802 (2011).
- Bast, J.E., J.M. Brown, G.J. Herczeg, E.F. van Dishoeck and K.M. Pontoppidan: Single peaked CO emission line profiles from the inner regions of protoplanetary disks. *Astron. Astrophys.* 527, A119 (2011).
- Berta, S., B. Magnelli, R. Nordon, D. Lutz, S. Wuyts, B. Altieri, P. Andreani, H. Aussel, H. Castañeda, J. Cepa, A. Cimatti, E. Daddi, D. Elbaz, N.M. Förster Schreiber, R. Genzel, E. Le Floc'h, R. Maiolino, I. Pérez-Fournon, A. Poglitsch, P. Popesso, F. Pozzi, L. Riguccini, G. Rodighiero, M. Sanchez-Portal, E. Sturm, L.J. Tacconi and I. Valtchanov: Building the cosmic infrared background brick by brick with Herschel/PEP. *Astron. Astrophys.* 532, A49 (2011).
- Bhayani, S. and K. Nandra: On the apparent absence of broad iron lines in Seyfert galaxies. *Mon. Not. R. Astron. Soc.* 416, 629-636 (2011).
- Biffi, V., K. Dolag and H. Böhringer: Velocity structure diagnostics of simulated galaxy clusters. *Mon. Not. R. Astron. Soc.* 413, 573-584 (2011).
- Bissaldi, E., A. von Kienlin, C. Kouveliotou, M.S. Briggs, V. Connaughton, J. Greiner, D. Gruber, G. Lichti, P.N. Bhat, M. Burgess, V. Chaplin, R. Diehl, G.J. Fishman, G. Fitzpatrick, S. Foley, M.H. Gibby, M.M. Giles, A. Goldstein, S. Guiriec, A.J. van der Horst, R.M. Kippen, L. Lin, S. McBreen, C.A. Meegan, W.S. Paciesas, R.D. Preece, A. Rau, D. Tierney and C. Wilson-Hodge: First-year Results of Broadband Spectroscopy of the Brightest Fermi-GBM Gamma-Ray Bursts. *Ap. J.* 733, 97 (2011).
- Bjerkeli, P., R. Liseau, B. Nisini, M. Tafalla, M. Benedettini, P. Bergman, O. Dionatos, T. Giannini, G. Herczeg, K. Justtanont, B. Larsson, C. McOey, M. Olberg and A.O.H. Olofsson: Herschel observations of the Herbig-Haro objects HH 52-54. *Astron. Astrophys.* 533, A80 (2011).
- Blanc, G.A., J.J. Adams, K. Gebhardt, G.J. Hill, N. Drory, L. Hao, R. Bender, R. Ciardullo, S.L. Finkelstein, A.B. Fry, E. Gawiser, C. Gronwall, U. Hopp, D. Jeong, R. Kelzberg, E. Komatsu, P. MacQueen, J.D. Murphy, M.M. Roth, D.P. Schneider and J. Tufts: The HETDEX Pilot Survey. II. The Evolution of the Ly α Escape Fraction from the Ultraviolet Slope and Luminosity Function of $1.9 < z < 3.8$ LAEs. *Ap. J.* 736, 31 (2011).
- Bluck, A.F.L., C.J. Conselice, O. Almaini, E.S. Laird, K. Nandra and R. Grützbauch: On the co-evolution of supermassive black holes and their host galaxies since $z = 3$. *Mon. Not. R. Astron. Soc.* 410, 1174-1196 (2011).
- Bogdanov, S., M. van den Berg, M. Servillat, C.O. Heinke, J.E. Grindlay, I.H. Stairs, S.M. Ransom, P.C.C. Freire, S. Bégin and W. Becker: Chandra X-ray Observations of 12 Millisecond Pulsars in the Globular Cluster M28. *Ap. J.* 730, 81 (2011).
- Bois, M., E. Emsellem, F. Bournaud, K. Alatalo, L. Blitz, M. Bureau, M. Cappellari, R.L. Davies, T.A. Davis, P.T. de Zeeuw, P.-A. Duc, S. Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, A.-M. Weijmans and L.M. Young: The ATLAS3D project - VI. Simulations of binary galaxy mergers and the link with fast rotators, slow rotators and kinematically distinct cores. *Mon. Not. R. Astron. Soc.* 416, 1654-1679 (2011).
- Boller, T., P. Schady and T. Heftrich: XMM-Newton, Swift, and ROSAT Observations of LBQS 0102-2713. *Ap. J. Lett.* 731, L16 (2011).
- Boogert, A.C.A., T.L. Huard, A.M. Cook, J.E. Chiar, C. Knez, L. Decin, G.A. Blake, A.G.G.M. Tielens and E.F. van Dishoeck: Ice and Dust in the Quiescent Medium of Isolated Dense Cores. *Ap. J.* 729, 92 (2011).
- Boone, F., D. Schaerer, R. Pelló, D. Lutz, A. Weiss, E. Egami, I. Smail, M. Rex, T. Rawle, R. Ivison, N. Laporte, A. Beelen, F. Combes, A.W. Blain, J. Richard, J.-P. Kneib, M. Zamojski, M. Dessauges-Zavadsky, B. Altieri, P. van der Werf, M. Swinbank, P.G. Pérez-González, B. Clement, R. Nordon, B. Magnelli and K.M. Menten: Far-infrared constraints on the contamination by dust-obscured galaxies of high- z dropout searches. *Astron. Astrophys.* 534, A124 (2011).
- Bordoloi, R., S.J. Lilly, C. Knobel, M. Bolzonella, P. Kampczyk, C.M. Carollo, A. Iovino, E. Zucca, T. Contini, J.-P. Kneib, O. Le Fevre, V. Mainieri, A. Renzini, M. Scodreggio, G. Zamorani, I. Balestra, S. Bardelli, A. Bongiorno, K.

- Caputi, O. Cucciati, S. de la Torre, L. de Ravel, B. Garilli, K. Kovač, F. Lamareille, J.-F. Le Borgne, V. Le Brun, C. Maier, M. Mignoli, R. Pello, Y. Peng, E. Perez Montero, V. Presotto, C. Scarlata, J. Silverman, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, L. Barnes, A. Cappi, A. Cimatti, G. Coppa, C. Diener, P. Franzetti, A. Koekemoer, C. López-Sanjuan, H.J. McCracken, M. Moresco, P. Nair, P. Oesch, L. Pozzetti and N. Welikala: The Radial and Azimuthal Profiles of Mg II Absorption around $0.5 < z < 0.9$ zCOSMOS Galaxies of Different Colors, Masses, and Environments. *Ap. J.* 743, 10 (2011).
- Bouchet, L., A.W. Strong, T.A. Porter, I.V. Moskalenko, E. Jourdain and J.-P. Roques: Diffuse emission measurement with INTEGRAL/SPI as indirect probe of cosmic-ray electrons and positrons. *Ap. J.* 739, 29-43 (2011).
- Braig, C., P. Predehl and E.-B. Kley: Efficient extreme ultraviolet transmission gratings for plasma diagnostics. *Optical Engineering* 50, 066501 (2011).
- Brandt, P., A.V. Ivlev and G.E. Morfill: Weakly anisotropic and string fluid phases in magnetorheological systems. *Journal of Magnetism and Magnetic Materials* 323, 1368-1371 (2011).
- Brenneman, L.W., C.S. Reynolds, M.A. Nowak, R.C. Reis, M. Trippe, A.C. Fabian, K. Iwasawa, J.C. Lee, J.M. Miller, R.F. Mushotzky, K. Nandra and M. Volonteri: The Spin of the Supermassive Black Hole in NGC 3783. *Ap. J.* 736, 103 (2011).
- Briggs, M.S., V. Connaughton, C. Wilson-Hodge, R.D. Preece, G.J. Fishman, R.M. Kippen, P.N. Bhat, W.S. Paciesas, V.L. Chaplin, C.A. Meegan, A. von Kienlin, J. Greiner, J.R. Dwyer and D.M. Smith: Electron-positron beams from terrestrial lightning observed with Fermi GBM. *Geophys. Res. Lett.* 38, 2808 (2011).
- Brightman, M. and K. Nandra: An XMM-Newton spectral survey of 12 μm selected galaxies - I. X-ray data. *Mon. Not. R. Astron. Soc.* 413, 1206-1235 (2011).
- Brightman, M. and K. Nandra: An XMM-Newton spectral survey of 12 μm selected galaxies - II. Implications for AGN selection and unification. *Mon. Not. R. Astron. Soc.* 414, 3084-3104 (2011).
- Buat, V., E. Giovannoli, S. Heinis, V. Charmandaris, D. Coia, E. Daddi, M. Dickinson, D. Elbaz, H.S. Hwang, G. Morrison, K. Dasyra, H. Aussel, B. Altieri, H. Dannerbauer, J. Kartaltepe, R. Leiton, G. Magdis, B. Magnelli and P. Popesso: GOODS-Herschel: evidence of a UV extinction bump in galaxies at $z > 1$. *Astron. Astrophys.* 533, A93 (2011).
- Buckley-Geer, E.J., H. Lin, E.R. Drabek, S.S. Allam, D.L. Tucker, R. Armstrong, W.A. Barkhouse, E. Bertin, M. Brodwin, S. Desai, J.A. Frieman, S.M. Hansen, F.W. High, J.J. Mohr, Y.T. Lin, C.C. Ngeow, A. Rest, R.C. Smith, J. Song and A. Zenteno: The Serendipitous Observation of a Gravitationally Lensed Galaxy at $z = 0.9057$ from the Blanco Cosmology Survey: The Elliot Arc. *Ap. J.* 742, 48 (2011).
- Burgess, J.M., R.D. Preece, M.G. Baring, M.S. Briggs, V. Connaughton, S. Guiriec, W.S. Paciesas, C.A. Meegan, P.N. Bhat, E. Bissaldi, V. Chaplin, R. Diehl, G.J. Fishman, G. Fitzpatrick, S. Foley, M. Gibby, M. Giles, A. Goldstein, J. Greiner, D. Gruber, A.J. van der Horst, A. von Kienlin, M. Kippen, C. Kouveliotou, S. McBreen, A. Rau, D. Tierney and C. Wilson-Hodge: Constraints on the Synchrotron Shock Model for the Fermi GRB 090820A Observed by Gamma-Ray Burst Monitor. *Ap. J.* 741, 24 (2011).
- Burlon, D., M. Ajello, J. Greiner, A. Comastri, A. Merloni and N. Gehrels: Three-year Swift-BAT Survey of Active Galactic Nuclei: Reconciling Theory and Observations?. *Ap. J.* 728, 58 (2011).
- Campisi, M.A., U. Maio, R. Salvaterra and B. Ciardi: Population III stars and the long gamma-ray burst rate. *Mon. Not. R. Astron. Soc.* 416, 2760-2767 (2011).
- Cannon, J.M., R. Giovanelli, M.P. Haynes, S. Janowiecki, A. Parker, J.J. Salzer, E.A.K. Adams, E. Engstrom, S. Huang, K.B.W. McQuinn, J. Ott, A. Saintonge, E.D. Skillman, J. Allan, G. Erny, P. Fliiss and A. Smith: The Survey of H I in Extremely Low-mass Dwarfs (SHIELD). *Ap. J. Lett.* 739, L22 (2011).
- Capelli, R., R.S. Warwick, D. Porquet, S. Gillessen and P. Predehl: Fe K α line emission from the Arches cluster region - evidence for ongoing particle bombardment?. *Astron. Astrophys.* 530, A38 (2011).
- Capelli, R., R.S. Warwick, N. Cappelluti, S. Gillessen, P. Predehl, D. Porquet and S. Czesla: Discovery of X-ray flaring activity in the Arches cluster. *Astron. Astrophys.* 525, L2 (2011).
- Cappellari, M., E. Emsellem, D. Krajnović, R.M. McDermid, N. Scott, G.A. Verdoes Kleijn, L.M. Young, K. Alatalo, R. Bacon, L. Blitz, M. Bois, F. Bournaud, M. Bureau, R.L. Davies, T.A. Davis, P.T. de Zeeuw, P.-A. Duc, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, P. Serra and A.-M. Weijmans: The ATLAS3D project - I. A volume-limited sample of 260 nearby early-type galaxies: science goals and selection criteria. *Mon. Not. R. Astron. Soc.* 413, 813-836 (2011).
- Cappellari, M., E. Emsellem, D. Krajnović, R.M. McDermid, P. Serra, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, R.L. Davies, T.A. Davis, P.T. de Zeeuw, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, A.-M. Weijmans and L.M. Young: The ATLAS3D project - VII. A new look at the morphology of nearby galaxies: the kinematic morphology-density relation. *Mon. Not. R. Astron. Soc.* 416, 1680-1696 (2011).
- Carlstrom, J.E., P.A.R. Ade, K.A. Aird, ..., J.J. Mohr, et al.: The 10 Meter South Pole Telescope. *Publ. Astron. Soc. Pac.* 123, 568-881 (2011).
- Carmona, A., G. van der Plas, M.E. van den Ancker, M. Audard, L.B.F.M. Waters, D. Fedele, B. Acke and E. Pantin: A survey for near-infrared H $_2$ emission in Herbig Ae/Be stars: emission from the outer disks of HD 97048 and HD 100546. *Astron. Astrophys.* 533, 39-55 (2011).
- Carry, B., D. Hestroffer, F.E. de Meo, A. Thirouin, J. Berthier, P. Lacerda, B. Sicardy, A. Doressoundiram, C. Dumas, D. Farrelly and T.G. Müller: Integral-field spectroscopy of (90482) Orcus-Vanth. *Astron. Astrophys.* 534, A115 (2011).
- Case, G.L., M.L. Cherry, C.A. Wilson-Hodge, A. Camero-

- Arranz, J.C. Rodi, V. Chaplin, M.H. Finger, P. Jenke, E. Beklen, P.N. Bhat, M.S. Briggs, V. Connaughton, J. Greiner, R.M. Kippen, C.A. Meegan, W.S. Paciesas, R. Preece and A. von Kienlin: First Results from Fermi Gamma-ray Burst Monitor Earth Occultation Monitoring: Observations of Soft Gamma-ray Sources Above 100 keV. *Ap. J.* 729, 105 (2011).
- Casey, C.M., S.C. Chapman, R. Neri, F. Bertoldi, I. Smail, K. Coppin, T.R. Greve, M.S. Bothwell, R.J. Beswick, A.W. Blain, P. Cox, R. Genzel, T.W.B. Muxlow, A. Omont and A.M. Swinbank: Molecular gas in submillimetre-faint, star-forming ultraluminous galaxies at $z > 1$. *Mon. Not. R. Astron. Soc.* 415, 2723-2743 (2011).
- Caux, E., C. Kahane, A. Castets, A. Coutens, C. Ceccarelli, A. Bacmann, S. Bisschop, S. Bottinelli, C. Comito, F.P. Helmich, B. Lefloch, B. Parise, P. Schilke, A.G.G.M. Tielens, E. van Dishoeck, C. Vastel, V. Wakelam and A. Walters: TIMASSS: the IRAS 16293-2422 millimeter and submillimeter spectral survey. I. Observations, calibration, and analysis of the line kinematics. *Astron. Astrophys.* 532, A23 (2011).
- Chapman, H.N., P. Fromme, A. Barty, T.A. White, R.A. Kirian, A. Aquila, M.S. Hunter, D.P. De Ponte, U. Weierstall, R.B. Doak, F.R.N.C. Maia, A.V. Martin, I. Schlichting, L. Lomb, N. Coppola, R.L. Shoeman, S.W. Epp, R. Hartmann, D. Rolles, A. Rudenko, L. Foucar, N. Kimmel, G. Weidenspointner, P. Holl, M. Liang, M. Barthelmess, C. Caleman, S. Boutet, M.J. Bogan, J. Krzywinski, C. Bostedt, S. Bajt, L. Gumprecht, B. Rudek, B. Erk, C. Schmidt, A. Hoemke, C. Reich, D. Pietschner, L. Strüder, G. Hauser, H. Gorke, J. Ullrich, S. Herrmann, G. Schaller, F. Schopper, H. Soltau, K.-U. Kühnel, M. Messerschmidt, J.D. Bozek, S.P. Hau-Riege, M. Frank, C.Y. Hampton, R.G. Sierra, D. Starodub, G.J. Williams, J. Hajdu, N. Timneanu, M.M. Seibert, J. Andreasson, A. Rocker, O. Joensson, M. Svenda, S. Stern, K. Nass, R. Andritschke, C.-D. Schroeter, F. Krasniqi, M. Bott, K.E. Schmidt, X. Wang, I. Grotjohann, J.M. Holton, T.R.M. Barends, R. Neutze, S. Marchesini, R. Fromme, S. Schorb, D. Rupp, M. Adolph, T. Gorkhover, I. Andersson, H. Hirsemann, G. Potdevin, H. Graafsma, B. Nilsson and J.C.H. Spence: Femtosecond X-ray protein nanocrystallography. *Nature* 470, 73-77 (2011).
- Chaudhuri, M., A.V. Ivlev, S.A. Khrapak, H.M. Thomas and G.E. Morfill: Complex plasma - the plasma state of soft matter. *Soft Matter* 7, 1287-1298 (2011).
- Cisternas, M., K. Jahnke, K.J. Inskip, J. Kartaltepe, A.M. Koekemoer, T. Lisker, A.R. Robaina, M. Scodeggio, K. Sheth, J.R. Trump, R. Andrae, T. Miyaji, E. Lusso, M. Brusa, P. Capak, N. Cappelluti, F. Civano, O. Ilbert, C.D. Impey, A. Leauthaud, S.J. Lilly, M. Salvato, N.Z. Scoville and Y. Taniguchi: The Bulk of the Black Hole Growth Since $z \sim 1$ Occurs in a Secular Universe: No Major Merger-AGN Connection. *Ap. J.* 726, 57 (2011).
- Civano, F., M. Brusa, A. Comastri, M. Elvis, M. Salvato, G. Zamorani, P. Capak, F. Fiore, R. Gilli, H. Hao, H. Ikeda, Y. Kakazu, J.S. Kartaltepe, D. Masters, T. Miyaji, M. Mignoli, S. Puccetti, F. Shankar, J. Silverman, C. Vignali, A. Zezas and A.M. Koekemoer: The Population of High-redshift Active Galactic Nuclei in the Chandra-COSMOS Survey. *Ap. J.* 741, 91 (2011).
- Clemens, C., J. Greiner, T. Krühler, D. Pierini, S. Savaglio, S. Klöse, P.M.J. Afonso, R. Filgas, F. Olivares E., A. Rau, P. Schady, A. Rossi, A. Küpcü Yoldaş, A.C. Updike and A. Yoldaş: GRB 071028B, a burst behind large amounts of dust in an unabsorbed galaxy. *Astron. Astrophys.* 529, A110 (2011).
- Coccatto, L., O. Gerhard, M. Arnaboldi and G. Ventimiglia: Stellar population and the origin of intra-cluster stars around brightest cluster galaxies: the case of NGC 3311. *Astron. Astrophys.* 533, A138 (2011).
- Coe, M.J., F. Haberl, R. Sturm, W. Pietsch, L.J. Townsend, E.S. Bartlett, M. Filipovic, A. Udalski, R.H.D. Corbet, A. Tiengo, M. Ehle, J.L. Payne and D. Burton: The XMM-Newton survey of the Small Magellanic Cloud: XMMU J005011.2-730026 = SXP 214, a Be/X-ray binary pulsar. *Mon. Not. R. Astron. Soc.* 414, 3281-3287 (2011).
- Comastri, A., P. Ranalli, K. Iwasawa, C. Vignali, R. Gilli, I. Georgantopoulos, X. Barcons, W.N. Brandt, H. Brunner, M. Brusa, N. Cappelluti, F.J. Carrera, F. Civano, F. Fiore, G. Hasinger, V. Mainieri, A. Merloni, F. Nicastro, M. Paolillo, S. Puccetti, P. Rosati, J.D. Silverman, P. Tozzi, G. Zamorani, I. Balestra, F.E. Bauer, B. Luo and Y.Q. Xue: The XMM Deep survey in the CDF-S. I. First results on heavily obscured AGN. *Astron. Astrophys.* 526, L9 (2011).
- Comisel, H., M. Scholer, J. Soucek and S. Matsukiyo: Non-stationarity of the quasi-perpendicular bow shock: comparison between Cluster observations and simulations. *Ann. Geophys.*, 29, 263-274 (2011).
- Cooper, M.C., J.A. Aird, A.L. Coil, M. Davis, S.M. Faber, S. Juneau, J.M. Lotz, K. Nandra, J.A. Newman, C.N.A. Willmer and R. Yan: The DEEP3 Galaxy Redshift Survey: Keck/DEIMOS Spectroscopy in the GOODS-N Field. *Ap. J. Supp. Ser.* 193, 14 (2011).
- Corral, A., R. Della Ceca, A. Caccianiga, P. Severgnini, H. Brunner, F.J. Carrera, M.J. Page and A.D. Schwope: The X-ray spectral properties of the AGN population in the XMM-Newton bright serendipitous survey. *Astron. Astrophys.* 530, A42 (2011).
- Corsi, A., E.O. Ofek, D.A. Frail, D. Poznanski, I. Arcavi, A. Gal-Yam, S.R. Kulkarni, K. Hurley, P.A. Mazzali, D.A. Howell, M.M. Kasliwal, Y. Green, D. Murray, M. Sullivan, D. Xu, S. Ben-ami, J.S. Bloom, S.B. Cenko, N.M. Law, P. Nugent, R.M. Quimby, V. Pal'shin, J. Cummings, V. Connaughton, K. Yamaoka, A. Rau, W. Boynton, I. Mitrofanov and J. Goldsten: PTF 10bzf (SN 2010ah): A Broad-line Ic Supernova Discovered by the Palomar Transient Factory. *Ap. J.* 741, 76 (2011).
- Cortesi, A., M.R. Merrifield, M. Arnaboldi, O. Gerhard, I. Martinez-Valpuesta, K. Saha, L. Coccatto, S. Bamford, N.R. Napolitano, P. Das, N.G. Douglas, A.J. Romanowsky, K. Kuijken, M. Capaccioli and K.C. Freeman: Unravelling the origins of S0 galaxies using maximum likelihood analysis of planetary nebulae kinematics. *Mon. Not. R. Astron. Soc.* 414, 642-651 (2011).
- Couédel, L., S.K. Zhdanov, A.V. Ivlev, V. Nosenko, H.M. Thomas and G.E. Morfill: Wave mode coupling due to

- plasma wakes in two-dimensional plasma crystals: In-depth view. *Phys. Plasmas* 18, 083707 (2011).
- Cucchiara, A., A.J. Levan, D.B. Fox, N.R. Tanvir, T.N. Ukwaatta, E. Berger, T. Krühler, A. Küpcü Yoldaş, X.F. Wu, K. Toma, J. Greiner, F. Olivares E., A. Rowlinson, L. Amati, T. Sakamoto, K. Roth, A. Stephens, A. Fritz, J.P.U. Fynbo, J. Hjorth, D. Malesani, P. Jakobsson, K. Wiersema, P.T. O'Brien, A.M. Soderberg, R.J. Foley, A.S. Fruchter, J. Rhoads, R.E. Rutledge, B.P. Schmidt, M.A. Dopita, P. Podsiadlowski, R. Willingale, C. Wolf, S.R. Kulkarni and P. D'Avanzo: A Photometric Redshift of $z \sim 9.4$ for GRB 090429B. *Ap. J.* 736, 7 (2011).
- Damjanov, I., R.G. Abraham, K. Glazebrook, P.J. McCarthy, E. Caris, R.G. Carlberg, H.-W. Chen, D. Crampton, A.W. Green, I. Jørgensen, S. Juneau, D. Le Borgne, R.O. Marzke, E. Mentuch, R. Murowinski, K. Roth, S. Savaglio and H. Yan: Red Nuggets at High Redshift: Structural Evolution of Quiescent Galaxies Over 10 Gyr of Cosmic History. *Ap. J. Lett.* 739, L44 (2011).
- Das, P., O. Gerhard, R.H. Mendez, A.M. Teodorescu and F. de Lorenzi: Using NMAGIC to probe the dark matter halo and orbital structure of the X-ray bright, massive elliptical galaxy, NGC 4649. *Mon. Not. R. Astron. Soc.* 415, 1244-1258 (2011).
- da Silva, R.L., J.X. Prochaska, D.J. Rosario, J. Tumlinson and T.M. Tripp: Shining Light on Merging Galaxies. I. The Ongoing Merger of a Quasar with a "Green Valley" Galaxy. *Ap. J.* 735, 54, (2011).
- Dasyra, K.M., L.C. Ho, H. Netzer, F. Combes, B. Trakhtenbrot, E. Sturm, L. Armus and D. Elbaz: A View of the Narrow-line Region in the Infrared: Active Galactic Nuclei with Resolved Fine-structure Lines in the Spitzer Archive. *Ap. J.* 740, 94 (2011).
- Davies, R., N.M. Förster Schreiber, G. Cresci, R. Genzel, N. Bouché, A. Burkert, P. Buschkamp, S. Genel, E. Hicks, J. Kurk, D. Lutz, S. Newman, K. Shapiro, A. Sternberg, L.J. Tacconi and S. Wuyts: How Well Can We Measure the Intrinsic Velocity Dispersion of Distant Disk Galaxies?. *Ap. J.* 741, 69 (2011).
- Davis, T.A., K. Alatalo, M. Sarzi, M. Bureau, L.M. Young, L. Blitz, P. Serra, A.F. Crocker, D. Krajnović, R.M. McDermid, M. Bois, F. Bournaud, M. Cappellari, R.L. Davies, P.-A. Duc, P.T. de Zeeuw, E. Emsellem, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R. Morganti, T. Naab, T. Oosterloo, N. Scott and A.-M. Weijmans: The ATLAS3D project - X. On the origin of the molecular and ionized gas in early-type galaxies. *Mon. Not. R. Astron. Soc.* 417, 882-899 (2011).
- Davis, T.A., M. Bureau, L.M. Young, K. Alatalo, L. Blitz, M. Cappellari, N. Scott, M. Bois, F. Bournaud, R.L. Davies, P.T. de Zeeuw, E. Emsellem, S. Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, P. Serra and A.-M. Weijmans: The ATLAS3D project - V. The CO Tully-Fisher relation of early-type galaxies. *Mon. Not. R. Astron. Soc.* 414, 968-984 (2011).
- De Lucia, G., F. Fontanot, D. Wilman and P. Monaco: Times, environments and channels of bulge formation in a Lambda cold dark matter cosmology. *Mon. Not. R. Astron. Soc.* 414, 1439-1454 (2011).
- den Brok, M., R.F. Peletier, E.A. Valentijn, M. Balcells, D. Carter, P. Erwin, H.C. Ferguson, P. Goudfrooij, A.W. Graham, D. Hammer, J.R. Lucey, N. Trentham, R. Guzmán, C. Hoyos, G. Verdoes Kleijn, S. Jogee, A.M. Karick, I. Marinova, M. Mouhcine and T. Weinzirl: The HST/ACS Coma Cluster Survey - VI. Colour gradients in giant and dwarf early-type galaxies. *Mon. Not. R. Astron. Soc.* 414, 3052-3070 (2011).
- De Rosa, G., R. Decarli, F. Walter, X. Fan, L. Jiang, J. Kurk, A. Pasquali and H.W. Rix: Evidence for Non-evolving Fe II/Mg II Ratios in Rapidly Accreting $z \sim 6$ QSOs. *Ap. J.* 739, 56 (2011).
- Deep, A., G. Fiorentino, E. Tolstoy, E. Diolaiti, M. Bellazzini, P. Ciliegi, R. Davies and J.-M. Conan: An E-ELT case study: colour-magnitude diagrams of an old galaxy in the Virgo cluster. *Astron. Astrophys.* 531, A151, (2011).
- Dobbs, C.L., A. Burkert and J.E. Pringle: The properties of the interstellar medium in disc galaxies with stellar feedback. *Mon. Not. R. Astron. Soc.* 417, 1318-1334 (2011).
- Dobbs, C.L., A. Burkert and J.E. Pringle: Why are most molecular clouds not gravitationally bound?. *Mon. Not. R. Astron. Soc.* 413, 2935-2942 (2011).
- Dodds-Eden, K., S. Gillessen, T.K. Fritz, F. Eisenhauer, S. Trippe, R. Genzel, T. Ott, H. Bartko, O. Pfuhl, G. Bower, A. Goldwurm, D. Porquet, G. Trap and F. Yusef-Zadeh: The Two States of Sgr A* in the Near-infrared: Bright Episodic Flares on Top of Low-level Continuous Variability. *Ap. J.* 728, 37 (2011).
- Dominguez, A., J.R. Primack, D.J. Rosario, F. Prada, R.C. Gilmore, S.M. Faber, D.C. Koo, R.S. Somerville, M.A. Pérez-Torres, P. Pérez-González, J.-S. Huang, M. Davis, P. Guhathakurta, P. Barmby, C.J. Conselice, M. Lozano, J.A. Newman and M.C. Cooper: Extragalactic background light inferred from AEGIS galaxy-SED-type fractions. *Mon. Not. R. Astron. Soc.* 410, 2556-2578 (2011).
- Du, C.-R., S.A. Khrapak, T. Antonova, B. Steffes, H.M. Thomas and G.E. Morfill: Frequency dependence of microparticle charge in a radio frequency discharge with Margenau electron velocity distribution. *Phys. Plasmas* 18, 014501 (2011).
- Duarte-Cabral, A., C.L. Dobbs, N. Peretto and G.A. Fuller: Was a cloud-cloud collision the trigger of the recent star formation in Serpens?. *Astron. Astrophys.* 528, A50 (2011).
- Duc, P.-A., J.-C. Cuillandre, P. Serra, L. Michel-Dansac, E. Ferriere, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, M. Cappellari, R.L. Davies, T.A. Davis, P.T. de Zeeuw, E. Emsellem, S. Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, A.-M. Weijmans and L.M. Young: The ATLAS3D project - IX. The merger origin of a fast- and a slow-rotating early-type galaxy revealed with deep optical imaging: first results. *Mon. Not. R. Astron. Soc.* 417, 863-881 (2011).
- Eisenstein, D.J., D.H. Weinberg, E. Agol, ..., S. Phleps, ..., A.G. Sanchez, et al.: SDSS-III: Massive Spectroscopic

- Surveys of the Distant Universe, the Milky Way, and Extra-Solar Planetary Systems. *Astron. J.* 142, 72 (2011).
- Elbaz, D., M. Dickinson, H.S. Hwang, T. Díaz-Santos, G. Magdis, B. Magnelli, D. Le Borgne, F. Galliano, M. Pannella, P. Chanial, L. Armus, V. Charmandaris, E. Daddi, H. Aussel, P. Popesso, J. Kartaltepe, B. Altieri, I. Valtchanov, D. Coia, H. Dannerbauer, K. Dasyra, R. Leiton, J. Mazzarella, D.M. Alexander, V. Buat, D. Burgarella, R.-R. Chary, R. Gilli, R.J. Ivison, S. Juneau, E. Le Floc'h, D. Lutz, G.E. Morrison, J.R. Mullaney, E. Murphy, A. Pope, D. Scott, M. Brodwin, D. Calzetti, C. Cesarsky, S. Charlot, H. Dole, P. Eisenhardt, H.C. Ferguson, N. Förster Schreiber, D. Frayer, M. Giavalisco, M. Huynh, A.M. Koekemoer, C. Papovich, N. Reddy, C. Surace, H. Teplitz, M.S. Yun and G. Wilson: GOODS-Herschel: an infrared main sequence for star-forming galaxies. *Astron. Astrophys.* 533, A119 (2011).
- Emsellem, E., M. Cappellari, D. Krajnović, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, R.L. Davies, T.A. Davis, P.T. de Zeeuw, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, G. van de Ven, A.-M. Weijmans and L.M. Young: The ATLAS3D project - III. A census of the stellar angular momentum within the effective radius of early-type galaxies: unveiling the distribution of fast and slow rotators. *Mon. Not. R. Astron. Soc.* 414, 888-912 (2011).
- Engel, H., R.I. Davies, R. Genzel, L.J. Tacconi, E. Sturm and D. Downes: Arp 220: Extinction and Merger-induced Star Formation. *Ap. J.* 729, 58 (2011).
- Enke, H., M. Steinmetz, H.-M. Adorf, A. Beck-Ratzka, F. Breitling, T. Brüsemeister, A. Carlson, T. Ensslin, M. Höggvist, I. Nickelt, T. Radke, A. Reinefeld, A. Reiser, T. Scholl, R. Spurzem, J. Steinacker, W. Voges, J. Wambsganz and S. White: Astro Grid-D: Grid technology for astronomical science. *New Astronomy* 16, 79-93 (2011).
- Fassbender, R., A. Nastasi, H. Böhringer, R. Šuhada, J.S. Santos, P. Rosati, D. Pierini, M. Mühlegger, H. Quintana, A.D. Schwobe, G. Lamer, A. de Hoon, J. Kohnert, G.W. Pratt and J.J. Mohr: The X-ray luminous galaxy cluster XMMU J1007.4+1237 at $z = 1.56$. The dawn of starburst activity in cluster cores. *Astron. Astrophys.* 527, L10 (2011).
- Fassbender, R., H. Böhringer, A. Nastasi, R. Šuhada, M. Mühlegger, A. de Hoon, J. Kohnert, G. Lamer, J.J. Mohr, D. Pierini, G.W. Pratt, H. Quintana, P. Rosati, J.S. Santos and A.D. Schwobe: The x-ray luminous galaxy cluster population at $0.9 < z \leq 1.6$ as revealed by the XMM-Newton Distant Cluster Project. *New J. Phys.* 13, 125014 (2011).
- Fassbender, R., H. Böhringer, J.S. Santos, G.W. Pratt, R. Šuhada, J. Kohnert, M. Lerchster, E. Rovilos, D. Pierini, G. Chon, A.D. Schwobe, G. Lamer, M. Mühlegger, P. Rosati, H. Quintana, A. Nastasi, A. de Hoon, S. Seitz and J.J. Mohr: A pan-chromatic view of the galaxy cluster XMMU J1230.3+1339 at $z = 0.975$. Observing the assembly of a massive system. *Astron. Astrophys.* 527, A78 (2011).
- Faure, C., T. Anguita, D. Alloin, K. Bundy, A. Finoguenov, A. Leauthaud, C. Knobel, J.-P. Kneib, E. Jullo, O. Ilbert, A.M. Koekemoer, P. Capak, N. Scoville and L.A.M. Tasca: On the evolution of environmental and mass properties of strong lens galaxies in COSMOS. *Astron. Astrophys.* 529, A72 (2011).
- Fedele, D., I. Pascucci, S. Brittain, I. Kamp, P. Woitke, J.P. Williams, W.R.F. Dent and W.-F. Thi: Water Depletion in the Disk Atmosphere of Herbig AeBe Stars. *Ap. J.* 732, 106-118 (2011).
- Filgas, R., J. Greiner, P. Schady, T. Krühler, A.C. Updike, S. Klose, M. Nardini, D.A. Kann, A. Rossi, V. Sudilovsky, P.M.J. Afonso, C. Clemens, J. Elliott, A. Nicuesa Guelbenzu, F. Olivares E. and A. Rau: GRB 091127: The cooling break race on magnetic fuel. *Astron. Astrophys.* 535, A57 (2011).
- Filgas, R., T. Krühler, J. Greiner, A. Rau, E. Palazzi, S. Klose, P. Schady, A. Rossi, P.M.J. Afonso, L.A. Antonelli, C. Clemens, S. Covino, P. D'Avanzo, A. Küpcü Yoldaş, M. Nardini, A. Nicuesa Guelbenzu, F. Olivares, E.A.C. Updike and A. Yoldaş: The two-component jet of GRB 080413B. *Astron. Astrophys.* 526, A113 (2011).
- Finkelstein, S.L., G.J. Hill, K. Gebhardt, J. Adams, G.A. Blanc, C. Papovich, R. Ciardullo, N. Drory, E. Gawiser, C. Gronwall, D.P. Schneider and K.-V. Tran: The HETDEX Pilot Survey. III. The Low Metallicities of High-redshift Ly α Galaxies. *Ap. J.* 729, 140 (2011).
- Fisher, D.B. and N. Drory: Demographics of Bulge Types within 11 Mpc and Implications for Galaxy Evolution. *Ap. J. Lett.* 733, L47 (2011).
- Fishman, G.J., M.S. Briggs, V. Connaughton, P.N. Bhat, W.S. Paciesas, A. von Kienlin, C. Wilson-Hodge, R.M. Kippen, R. Preece, C.A. Meegan and J. Greiner: Temporal properties of the terrestrial gamma-ray flashes from the Gamma-Ray Burst Monitor on the Fermi Observatory. *J. Geophys. Res. (Space Phys.)* 116, 7304 (2011).
- Flores, H., P. Goldoni, F. Royer, S. Piranomonte, S.D. Vergani, F. Onori, E. Palazzi, S. Covino, S. Randich, F. Hammer, E. Pian, S. Savaglio and G. Tagliaferri: Observing GRB host galaxies with the integral field unit of X-shooter. *Astron. Nachr.* 332, 288 (2011).
- Foley, R.J., K. Andersson, G. Bazin, ..., J.J. Mohr, et al.: Discovery and Cosmological Implications of SPT-CL J2106-5844, the Most Massive Known Cluster at $z > 1$. *Ap. J.* 731 (2011).
- Font, A.S., I.G. McCarthy, R.A. Crain, T. Theuns, J. Schaye, R.P. C. Wiersma and C. Dalla Vecchia: Cosmological simulations of the formation of the stellar haloes around disc galaxies. *Mon. Not. R. Astron. Soc.* 416, 2802-2820 (2011).
- Fontanot, F., G. De Lucia, D. Wilman and P. Monaco: The other side of bulge formation in a Λ cold dark matter cosmology: bulgeless galaxies in the local Universe. *Mon. Not. R. Astron. Soc.* 416, 409-415 (2011).
- Foyle, K., H.-W. Rix, C.L. Dobbs, A.K. Leroy and F. Walter: Observational Evidence Against Long-lived Spiral Arms in Galaxies. *Ap. J.* 735, 101 (2011).
- France, K., E. Schindhelm, E.B. Burgh, G.J. Herczeg, G.M. Harper, A. Brown, J.C. Green, J.L. Linsky, H. Yang,

- H. Abgrall, D.R. Ardila, E. Bergin, T. Bethell, J.M. Brown, N. Calvet, C. Espaillat, S.G. Gregory, L.A. Hillenbrand, G. Hussain, L. Ingleby, C.M. Johns-Krull, E. Roueff, J.A. Valenti and F.M. Walter: The Far-ultraviolet "Continuum" in Protoplanetary Disk Systems. II. Carbon Monoxide Fourth Positive Emission and Absorption. *Ap. J.* 734, 31 (2011).
- Freeland, E., K.-V.H. Tran, T. Irwin, L. Giordano, A. Saintonge, A.H. Gonzalez, D. Zaritsky and D. Just: Detection of Outflowing and Extraplanar Gas in Disks in an Assembling Galaxy Cluster at $z = 0.37$. *Ap. J. Lett.* 742, L34 (2011).
- Fritz, T.K., S. Gillessen, K. Dodds-Eden, D. Lutz, R. Genzel, W. Raab, T. Ott, O. Pfuhl, F. Eisenhauer and F. Yusef-Zadeh: Line Derived Infrared Extinction toward the Galactic Center. *Ap. J.* 737, 73 (2011).
- Förster Schreiber, N.M., A.E. Shapley, D.K. Erb, R. Genzel, C.C. Steidel, N. Bouché, G. Cresci and R. Davies: Constraints on the Assembly and Dynamics of Galaxies. I. Detailed Rest-frame Optical Morphologies on Kiloparsec Scale of $z \sim 2$ Star-forming Galaxies. *Ap. J.* 731, 65 (2011).
- Förster Schreiber, N.M., A.E. Shapley, R. Genzel, N. Bouché, G. Cresci, R. Davies, D.K. Erb, S. Genel, D. Lutz, S. Newman, K.L. Shapiro, C.C. Steidel, A. Sternberg and L.J. Tacconi: Constraints on the Assembly and Dynamics of Galaxies. II. Properties of Kiloparsec-scale Clumps in Rest-frame Optical Emission of $z \sim 2$ Star-forming Galaxies. *Ap. J.* 739, 45 (2011).
- Gaibler, V., S. Khochfar and M. Krause: Asymmetries in extragalactic double radio sources: clues from 3D simulations of jet-disc interaction. *Mon. Not. R. Astron. Soc.* 411, 155-161 (2011).
- Gallo, L.C., D. Grupe, N. Schartel, S. Komossa, G. Miniutti, A.C. Fabian and M. Santos-Lleo: The quasar PG 0844+349 in an X-ray weak state. *Mon. Not. R. Astron. Soc.* 412, 161-170 (2011).
- Genzel, R., S. Newman, T. Jones, N.M. Förster Schreiber, K. Shapiro, S. Genel, S.J. Lilly, A. Renzini, L.J. Tacconi, N. Bouché, A. Burkert, G. Cresci, P. Buschkamp, C.M. Carollo, D. Ceverino, R. Davies, A. Dekel, F. Eisenhauer, E. Hicks, J. Kurk, D. Lutz, C. Mancini, T. Naab, Y. Peng, A. Sternberg, D. Vergani and G. Zamorani: The Sins Survey of $z \sim 2$ Galaxy Kinematics: Properties of the Giant Star-forming Clumps. *Ap. J.* 733, 101 (2011).
- Georgakakis, A. and K. Nandra: A serendipitous XMM survey of the SDSS: the evolution of the colour-magnitude diagram of X-ray AGN from $z = 0.8$ to 0.1 . *Mon. Not. R. Astron. Soc.* 414, 992-1010 (2011).
- Georgakakis, A., A.L. Coil, C.N.A. Willmer, K. Nandra, D.D. Kocevski, M.C. Cooper, D.J. Rosario, D.C. Koo, J.R. Trump and S. Juneau: Observational constraints on the physics behind the evolution of active galactic nuclei since $z \sim 1$. *Mon. Not. R. Astron. Soc.* 418, 2590-2603 (2011).
- Georgantopoulos, I., E. Rovilos, A. Akylas, A. Comastri, P. Ranalli, C. Vignali, I. Balestra, R. Gilli and N. Cappelluti: On the $L_x - L_6$ μm ratio as a diagnostic for Compton-thick AGN. *Astron. Astrophys.* 534, A23 (2011).
- George, M.R., A. Leauthaud, K. Bundy, A. Finoguenov, J. Tinker, Y.-T. Lin, S. Mei, J.-P. Kneib, H. Aussel, P.S. Behroozi, M.T. Busha, P. Capak, L. Coccatto, G. Covone, C. Faure, S.L. Fiorenza, O. Ilbert, E. Le Floc'h, A.M. Koeckemoer, M. Tanaka, R.H. Wechsler and M. Wolk: Galaxies in X-Ray Groups. I. Robust Membership Assignment and the Impact of Group Environments on Quenching. *Ap. J.* 742, 125 (2011).
- Gerin, M., M. De Luca, J. Black, J.R. Goicoechea, E. Herbst, D.A. Neufeld, E. Falgarone, B. Godard, J.C. Pearson, D.C. Lis, T.G. Phillips, T.A. Bell, P. Sonnentrucker, F. Boulanger, J. Cernicharo, A. Coutens, E. Dartois, P. Encrenaz, T. Giesen, P.F. Goldsmith, H. Gupta, C. Gry, P. Hennebelle, P. Hily-Blant, C. Joblin, M. Kazmierczak, R. Kolos, J. Krelowski, J. Martin-Pintado, R. Monje, B. Moorjerjea, M. Perault, C. Persson, Plume R, P.B. Rimmer, M. Salez, M. Schmidt, J. Stutzki, D. Teyssier, C. Vastel, S. Yu, A. Contursi, K. Menten, T. Geballe, S. Schlemmer, R. Shipman, A.G. Tielens, S. Philipp-May, A. Cros, J. Zmuidzinas, L.A. Samoska, K. Klein and A. Lorenzani: Interstellar OH⁺, H₂O⁺ and H₃O⁺ along the sight-line to G10.6-0.4. *Astron. Astrophys. Lett.* 518, L110 (2010).
- Giavalisco, M., E. Vanzella, S. Salimbeni, T.M. Tripp, M. Dickinson, P. Cassata, A. Renzini, Y. Guo, H.C. Ferguson, M. Nonino, A. Cimatti, J. Kurk, M. Mignoli and Y. Tang: Discovery of Cold, Pristine Gas Possibly Accreting onto an Overdensity of Star-forming Galaxies at Redshift $z \sim 1.6$. *Ap. J.* 743, 95 (2011).
- Giovannoli, E., V. Buat, S. Noll, D. Burgarella and B. Maggelli: Population synthesis modelling of luminous infrared galaxies at intermediate redshift. *Astron. Astrophys.* 525, A150 (2011).
- Gnerucci, A., A. Marconi, G. Cresci, R. Maiolino, F. Mannucci, N.M. Förster Schreiber, R. Davies, K.L. Shapiro and E.K.S. Hicks: A dynamical mass estimator for high z galaxies based on spectroastrometry. *Astron. Astrophys.* 533, A124 (2011).
- Gobat, R., E. Daddi, M. Onodera, A. Finoguenov, A. Renzini, N. Arimoto, R. Bouwens, M. Brusa, R.-R. Chary, A. Cimatti, M. Dickinson, X. Kong and M. Mignoli: A mature cluster with X-ray emission at $z = 2.07$. *Astron. Astrophys.* 526, A133 (2011).
- Goicoechea, J.R., C. Joblin, A. Contursi, O. Berné, J. Cernicharo, M. Gerin, J. Le Bourlot, E.A. Bergin, T.A. Bell and M. Röllig: OH emission from warm and dense gas in the Orion Bar PDR. *Astron. Astrophys.* 530, L16 (2011).
- Goldsmith, P.F., R. Liseau, T.A. Bell, J.H. Black, J.-H. Chen, D. Hollenbach, M.J. Kaufman, D. Li, D.C. Lis, G. Melnick, D. Neufeld, L. Pagani, R. Snell, A.O. Benz, E. Bergin, S. Bruderer, P. Caselli, E. Caux, P. Encrenaz, E. Falgarone, M. Gerin, J.R. Goicoechea, Å. Hjalmarsen, B. Larsson, J. Le Bourlot, F. Le Petit, M. De Luca, Z. Nagy, E. Roueff, A. Sandqvist, F. van der Tak, E.F. van Dishoeck, C. Vastel, S. Viti and U. Yildiz: Herschel Measurements of Molecular Oxygen in Orion. *Ap. J.* 737, 96 (2011).
- Goto, M., Z. Regály, C.P. Dullemond, M. van den Ancker, J.M. Brown, A. Carmona, K. Pontoppidan, P. Ábrahám, G.A. Blake, D. Fedele, T. Henning, A. Juhász, Á. Kóspál, L. Mosoni, A. Sicilia-Aguilar, H. Terada, R. van Boekel, E.F. van Dishoeck and T. Usuda: Fundamental Vibrational Transition of CO During the Outburst of EX Lupi in 2008.

- Ap. J. 728, 5 (2011).
- Graciá-Carpio, J., E. Sturm, S. Hailey-Dunsheath, J. Fischer, A. Contursi, A. Poglitsch, R. Genzel, E. González-Alfonso, A. Sternberg, A. Verma, N. Christopher, R. Davies, H. Feuchgruber, J.A. de Jong, D. Lutz and L.J. Tacconi: Far-infrared Line Deficits in Galaxies with Extreme LFIR/M - H2 Ratios. *Ap. J. Lett.* 728, L7 (2011).
- Grasso, D., S. Profumo, A.W. Strong, L. Baldini, R. Bellazzini, E.D. Bloom, J. Bregeon, G. di Bernardo, D. Gaggero, N. Giglietto, T. Kamae, L. Latronico, F. Longo, M.N. Mazziotta, A.A. Moiseev, A. Morselli, J.F. Ormes, M. Pesce-Rollins, M. Pohl, M. Razzano, C. Sgro, G. Spandre and T.E. Stephens: Possible interpretations of the high energy cosmic ray electron spectrum measured with the Fermi space telescope. *Nucl. Instrum. Methods Phys. Res. (A)* 630, 48-51 (2011).
- Green, J.D., N.J. Evans II, Á. Kóspál, T.A. van Kempen, G. Herczeg, S.P. Quanz, T. Henning, J.-E. Lee, M.M. Dunham, G. Meeus, J. Bouwman, E. van Dishoeck, J.-H. Chen, M. Güdel, S.L. Skinner, M. Merello, D. Pooley, L.M. Rebull and S. Guieu: Disentangling the Environment of the FU Orionis Candidate HBC 722 with Herschel. *Ap. J. Lett.* 731, L25 (2011).
- Greiner, C., N. Haque, M.G. Mustafa and M.H. Thoma: Low-mass dilepton rate from the deconfined phase. *Phys. Rev. C* 83, 014908 (2011).
- Greiner, J. and A. Rau: The multi-wavelength context in 2015 and beyond. *Comptes Rendus Phys.* 12, 226-233 (2011).
- Greiner, J., T. Krühler, S. Klose, P. Afonso, C. Clemens, R. Filgas, D.H. Hartmann, A. Küpcü Yoldaş, M. Nardini, F. Olivares E., A. Rau, A. Rossi, P. Schady and A. Updike: The nature of "dark" gamma-ray bursts. *Astron. Astrophys.* 526, A30 (2011).
- Grogin, N.A., D.D. Kocevski, S.M. Faber, ..., K. Nandra, ..., D.J. Rosario, ..., S. Wuyts, et al.: CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey. *Ap. J. Supp. Ser.* 197, 35 (2011).
- Gruber, D., J. Greiner, A. von Kienlin, A. Rau, M.S. Briggs, V. Connaughton, A. Goldstein, A.J. van der Horst, M. Nardini, P.N. Bhat, E. Bissaldi, J.M. Burgess, V.L. Chaplin, R. Diehl, G.J. Fishman, G. Fitzpatrick, S. Foley, M.H. Gibby, M.M. Giles, S. Guiriec, R.M. Kippen, C. Kouveliotou, L. Lin, S. McBreen, C.A. Meegan, F. Olivares E., W.S. Paciesas, R.D. Preece, D. Tierney and C. Wilson-Hodge: Rest-frame properties of 32 gamma-ray bursts observed by the Fermi Gamma-ray Burst Monitor. *Astron. Astrophys.* 531, A20 (2011).
- Gruber, D., P. Lachowicz, E. Bissaldi, M.S. Briggs, V. Connaughton, J. Greiner, A.J. van der Horst, G. Kanbach, A. Rau, P.N. Bhat, R. Diehl, A. von Kienlin, R.M. Kippen, C.A. Meegan, W.S. Paciesas, R.D. Preece and C. Wilson-Hodge: Quasi-periodic pulsations in solar flares: new clues from the Fermi Gamma-Ray Burst Monitor. *Astron. Astrophys.* 533, A61 (2011).
- Gruber, D., T. Krühler, S. Foley, M. Nardini, D. Burlon, A. Rau, E. Bissaldi, A. von Kienlin, S. McBreen, J. Greiner, P.N. Bhat, M.S. Briggs, J.M. Burgess, V.L. Chaplin, V. Connaughton, R. Diehl, G.J. Fishman, M.H. Gibby, M.M. Giles, A. Goldstein, S. Guiriec, A.J. van der Horst, R.M. Kippen, C. Kouveliotou, L. Lin, C.A. Meegan, W.S. Paciesas, R.D. Preece, D. Tierney and C. Wilson-Hodge: Fermi/GBM observations of the ultra-long GRB 091024. A burst with an optical flash. *Astron. Astrophys.* 528, A15 (2011).
- Guiriec, S., V. Connaughton, M.S. Briggs, M. Burgess, F. Ryde, F. Daigne, P. Mészáros, A. Goldstein, J. McEnery, N. Omodei, P.N. Bhat, E. Bissaldi, A. Camero-Arranz, V. Chaplin, R. Diehl, G. Fishman, S. Foley, M. Gibby, M.M. Giles, J. Greiner, D. Gruber, A. von Kienlin, M. Kippen, C. Kouveliotou, S. McBreen, C.A. Meegan, W. Paciesas, R. Preece, A. Rau, D. Tierney, A.J. van der Horst and C. Wilson-Hodge: Detection of a Thermal Spectral Component in the Prompt Emission of GRB 100724B. *Ap. J. Lett.* 727, L33 (2011).
- Gutiérrez, L., P. Erwin, R. Aladro and J.E. Beckman: The Outer Disks of Early-type Galaxies. II. Surface-brightness Profiles of Unbarred Galaxies and Trends with Hubble Type. *Astron. J.* 142, 145 (2011).
- Gültekin, K., D.O. Richstone, K. Gebhardt, S.M. Faber, T.R. Lauer, R. Bender, J. Kormendy and J. Pinkney: Is There a Black Hole in NGC 4382?. *Ap. J.* 741, 38 (2011).
- Haerendel, G.: A droplet model of quiescent prominence downflows. *Astroph. J.* 731, Issue 2, 82 (2011).
- Haerendel, G.: Six auroral generators: a review. *J. Geophys. Res.*, 116, A00K05 (2011).
- Hamrin, M., O. Marghitu, P. Norqvist, S. Buchert, M. André, B. Klecker, L.M. Kistler and I. Dandouras: Energy conversion regions as observed by Cluster in the plasma sheet. *J. Geophys. Res. (Space Phys.)* 116, 0 (2011).
- Haque, N., M.G. Mustafa and M.H. Thoma: Conserved density fluctuation and temporal correlation function in hard thermal loop perturbation theory. *Physical Review D* 84, 054009 (2011).
- Hatch, N.A., C. de Breuck, A. Galametz, G.K. Miley, R.A. Overzier, H.J.A. Röttgering, M. Doherty, T. Kodama, J.D. Kurk, N. Seymour, B.P. Venemans, J. Vernet and A.W. Zirm: Galaxy protocluster candidates around $z \sim 2.4$ radio galaxies. *Mon. Not. R. Astron. Soc.* 410, 1537-1549 (2011).
- Hatch, N.A., J.D. Kurk, L. Pentericci, B.P. Venemans, E. Kuiper, G.K. Miley and H.J.A. Röttgering: H α emitters in $z \sim 2$ protoclusters: evidence for faster evolution in dense environments. *Mon. Not. R. Astron. Soc.* 415, 2993-3005 (2011).
- Havnes, O., T.W. Hartquist, M. Kassa and G.E. Morfill: In-flight calibration of mesospheric rocket plasma probes. *Rev. Sci. Instruments* 82, 074503 (2011).
- Haynes, M.P., R. Giovanelli, A.M. Martin, K.M. Hess, A. Saintonge, E.A.K. Adams, G. Hallenbeck, G.L. Hoffman, S. Huang, B.R. Kent, R.A. Koopmann, E. Papastergis, S. Stierwalt, T.J. Balonek, D.W. Craig, S.J.U. Higdon, D.A. Kornreich, J.R. Miller, A.A. O'Donoghue, R.P. Olowin, J.L. Rosenberg, K. Spekkens, P. Troischt and E.M. Wilcots: The Arecibo Legacy Fast ALFA Survey: The $\alpha 40$ H I Source Catalog, Its Characteristics and Their Impact on the Derivation of the H I Mass Function. *Astron. J.* 142, 170

(2011).

Heidemann, R., M. Kretschmer, S.K. Zhdanov, K.R. Sütterlin, H.M. Thomas, M.H. Thoma and G.E. Morfill: Dissipative Dark Soliton in a Complex Plasma. *IEEE Trans. Plasma Sci.* 39, 2720-2721 (2011).

Heidemann, R., S. Zhdanov, K.R. Sütterlin, H.M. Thomas and G.E. Morfill: Shear flow instability at the interface among two streams of a highly dissipative complex plasma. *EPL (Europhysics Letters)* 96, 15001 (2011).

Heidemann, R.J., L. Couédel, S.K. Zhdanov, K.R. Sütterlin, M. Schwabe, H.M. Thomas, A.V. Ivlev, T. Hagl, G.E. Morfill, V.E. Fortov, V.I. Molotkov, O.F. Petrov, A.I. Lipaev, V. Tokarev, T. Reiter and P. Vinogradov: Comprehensive experimental study of heartbeat oscillations observed under microgravity conditions in the PK-3 Plus laboratory on board the International Space Station. *Phys. Plasmas* 18, 053701 (2011).

Henze, M., W. Pietsch, F. Haberl, M. Hernanz, G. Sala, D. Hatzidimitriou, M. Della Valle, A. Rau, D.H. Hartmann and V. Burwitz: X-ray monitoring of classical novae in the central region of M 31. II. Autumn and winter 2007/2008 and 2008/2009. *Astron. Astrophys.* 533, A52 (2011).

Herczeg, G.J., J.M. Brown, E.F. van Dishoeck and K.M. Pontoppidan: Disks and outflows in CO rovibrational emission from embedded, low-mass young stellar objects. *Astron. Astrophys.* 533, A112 (2011).

Hogerheijde, M.R., E.A. Bergin, C. Brinch, L.I. Cleeves, J.K.J. Fogel, G.A. Blake, C. Dominik, D.C. Lis, G. Melnick, D. Neufeld, O. Panić, J.C. Pearson, L. Kristensen, U.A. Yildiz and E.F. van Dishoeck: Detection of the Water Reservoir in a Forming Planetary System. *Science* 334, 338-340 (2011).

Holmes, S., U. Kolb, C.A. Haswell, V. Burwitz, R.J. Lucas, J. Rodriguez, S.M. Rolfe, J. Rostron and J. Barker: PIRATE: A Remotely Operable Telescope Facility for Research and Education. *Publ. Astron. Soc. Pac.* 123, 1177-1187 (2011).

Huarte-Espinosa, M., M. Krause and P. Alexander: 3D magnetohydrodynamic simulations of the evolution of magnetic fields in Fanaroff-Riley class II radio sources. *Mon. Not. R. Astron. Soc.* 417, 382-399 (2011).

Huarte-Espinosa, M., M. Krause and P. Alexander: Interaction of Fanaroff-Riley class II radio jets with a randomly magnetized intracluster medium. *Mon. Not. R. Astron. Soc.* 418, 1621-1639 (2011).

Hunt, L., E. Palazzi, A. Rossi, S. Savaglio, G. Cresci, S. Klose, M. Michalowski and E. Pian: The Extremely Red Host Galaxy of GRB 080207. *Ap. J. Lett.* 736, L36 (2011).

Hurley, K., J.-L. Atteia, C. Barraud, A. Rau, A. von Kienlin, et al.: The Interplanetary Network Supplement to the HETE-2 Gamma-Ray Burst Catalog. *Ap. J. Supp. Ser.* 197, 34 (2011).

Hwang, H.S., D. Elbaz, M. Dickinson, V. Charmandaris, E. Daddi, D. Le Borgne, V. Buat, G.E. Magdis, B. Altieri, H. Aussel, D. Coia, H. Dannerbauer, K. Dasyra, J. Kartaltepe, R. Leiton, B. Magnelli, P. Popesso and I. Valtchanov: GOODS-Herschel: the impact of galaxy-galaxy interac-

tions on the far-infrared properties of galaxies. *Astron. Astrophys.* 535, A60 (2011).

Ingleby, L., N. Calvet, E. Bergin, G. Herczeg, A. Brown, R. Alexander, S. Edwards, C. Espaillat, K. France, S.G. Gregory, L. Hillenbrand, E. Roueff, J. Valenti, F. Walter, C. Johns-Krull, J. Brown, J. Linsky, M. McClure, D. Ardila, H. Abgrall, T. Bethell, G. Hussain and H. Yang: Near-ultraviolet Excess in Slowly Accreting T Tauri Stars: Limits Imposed by Chromospheric Emission. *Ap. J.* 743, 105 (2011).

Ioppolo, S., H.M. Cuppen, E.F. van Dishoeck and H. Linnartz: Surface formation of HCOOH at low temperature. *Mon. Not. R. Astron. Soc.* 410, 1089-1095 (2011).

Ioppolo, S., Y. van Boheemen, H.M. Cuppen, E.F. van Dishoeck and H. Linnartz: Surface formation of CO₂ ice at low temperatures. *Mon. Not. R. Astron. Soc.* 413, 2281-2287 (2011).

Ivlev, A.V., M.H. Thoma, C. R ath, G. Joyce and G.E. Morfill: Complex Plasmas in External Fields: The Role of Non-Hamiltonian Interactions. *Phys. Rev. Lett.* 106, 155001 (2011).

Iwasawa, K., D.B. Sanders, S.H. Teng, V. U, L. Armus, A.S. Evans, J.H. Howell, S. Komossa, J.M. Mazzarella, A.O. Petric, J.A. Surace, T. Vavilkin, S. Veilleux and N. Trentham: C-GOALS: Chandra observations of a complete sample of luminous infrared galaxies from the IRAS Revised Bright Galaxy Survey. *Astron. Astrophys.* 529, A106 (2011).

Iwasawa, K., J.M. Mazzarella, J.A. Surace, D.B. Sanders, L. Armus, A.S. Evans, J.H. Howell, S. Komossa, A. Petric, S.H. Teng, V. U and S. Veilleux: The location of an active nucleus and a shadow of a tidal tail in the ULIRG Mrk 273. *Astron. Astrophys.* 528, A137 (2011).

Jaffe, T.R., A.J. Banday, J.P. Leahy, S. Leach and A.W. Strong: Connecting synchrotron, cosmic rays and magnetic fields in the plane of the Galaxy. *Mon. Not. R. Astron. Soc.* 416, 1152-1162 (2011).

Jaff e, Y.L., A. Arag on-Salamanca, G. De Lucia, P. Jablonka, G. Rudnick, R. Saglia and D. Zaritsky: The colour-magnitude relation of elliptical and lenticular galaxies in the ESO Distant Cluster Survey. *Mon. Not. R. Astron. Soc.* 410, 280-292 (2011).

Jaff e, Y.L., A. Arag on-Salamanca, H. Kuntschner, S. Bamford, C. Hoyos, G. De Lucia, C. Halliday, B. Milvang-Jensen, B. Poggianti, G. Rudnick, R.P. Saglia, P. Sanchez-Blazquez and D. Zaritsky: The effect of the environment on the gas kinematics and the structure of distant galaxies. *Mon. Not. R. Astron. Soc.* 417, 1996-2019 (2011).

Jeeson-Daniel, A., C. Dalla Vecchia, M.R. Haas and J. Schaye: The correlation structure of dark matter halo properties. *Mon. Not. R. Astron. Soc.* 415, L69-L73 (2011).

Jiang, K., L.-J. Hou, A.V. Ivlev, Y.-F. Li, C.-R. Du, H.M. Thomas, G.E. Morfill and K.R. S utterlin: Initial stages in phase separation of binary complex plasmas: Numerical experiments. *EPL (Europhysics Letters)* 93, 55001 (2011).

Jiang, K., L.-J. Hou, A.V. Ivlev, Y.-F. Li, K.R. S utterlin, H.M. Thomas and G.E. Morfill: Demixing in Binary Complex Plasma: Computer Simulation. *IEEE Trans. Plasma Sci.*

39, 2752-2753 (2011).

Johnson, J.L. and S. Khochfar: Suppression of accretion on to low-mass Population III stars. *Mon. Not. R. Astron. Soc.* 413, 1184-1191 (2011).

Johnson, J.L. and S. Khochfar: The Contribution of Supernovae to Cosmic Reionization. *Ap. J.* 743, 126 (2011).

Johnson, J.L., S. Khochfar, T.H. Greif and F. Durier: Accretion on to black holes formed by direct collapse. *Mon. Not. R. Astron. Soc.* 410, 919-933 (2011).

Johnson, R., A. Finoguenov, T.J. Ponman, J. Rasmussen and A.J.R. Sanderson: Abundance profiles and cool cores in galaxy groups. *Mon. Not. R. Astron. Soc.* 413, 2467-2480 (2011).

Joyce, G., C. R ath, P. Huber, H. Thomas, G.E. Morfill, V. Molotkov and V. Fortov: Addendum Structural properties of 3D complex plasmas under microgravity conditions. *EPL (Europhysics Letters)* 93, 29901 (2011).

Kasliwal, M.M., S.B. Cenko, S.R. Kulkarni, E.O. Ofek, R. Quimby and A. Rau: Discovery of a New Photometric Subclass of Faint and Fast Classical Novae. *Ap. J.* 735, 94 (2011).

Khochfar, S. and J. Silk: The specific star formation rate of high redshift galaxies: the case for two modes of star formation. *Mon. Not. R. Astron. Soc.* 410, L42-L46 (2011).

Khochfar, S., E. Emsellem, P. Serra, M. Bois, K. Alatalo, R. Bacon, L. Blitz, F. Bournaud, M. Bureau, M. Cappellari, R.L. Davies, T.A. Davis, P.T. de Zeeuw, P.-A. Duc, D. Krajnovi c, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, A.-M. Weijmans and L.M. Young: The ATLAS3D project - VIII. Modelling the formation and evolution of fast and slow rotator early-type galaxies within Λ CDM. *Mon. Not. R. Astron. Soc.* 417, 845-862 (2011).

Khrapak, S.A., M. Chaudhuri and G.E. Morfill: Universality of the melting curves for a wide range of interaction potentials. *The Journal of Chemical Physics* 134, 241101, (2011).

Khrapak, S.A., M.S. Chaudhuri and G.E. Morfill: Freezing of Lennard-Jones-type Fluids. *The Journal of Chemical Physics* 134, 054120, (2011).

Khrapak, S.A. and F. Saija: Application of phenomenological freezing and melting indicators to the exp-6 and Gaussian core potentials. *Molecular Physics* 109, 2417-2421 (2011).

Khrapak, S.A. and G.E. Morfill: Accurate freezing and melting equations for the Lennard-Jones system. *Journal of Chemical Physics* 134, 094108 (2011).

Khrapak, S.A., B.A. Klumov, P. Huber, V.I. Molotkov, A.M. Lipaev, V.N. Naumkin, H.M. Thomas, A.V. Ivlev, G.E. Morfill, O.F. Petrov, V.E. Fortov, Y. Malentschenko and S. Volkov: Freezing and Melting of 3D Complex Plasma Structures under Microgravity Conditions Driven by Neutral Gas Pressure Manipulation. *Phys. Rev. Lett.* 106, 205001 (2011).

Khrapak, S.A., M. Chaudhuri and G.E. Morfill: Communication: Universality of the melting curves for a wide range of interaction potentials. *Journal of Chemical Physics* 134,

241101 (2011).

Khrapak, S.A., M. Chaudhuri and G.E. Morfill: Freezing of Lennard-Jones-type fluids. *Journal of Chemical Physics* 134, 054120 (2011).

Kimm, T., S.K. Yi and S. Khochfar: The Impact of Gas Stripping and Stellar Mass Loss on Satellite Galaxy Evolution. *Ap. J.* 729, 11 (2011).

Klumov, B.A., S.A. Khrapak and G.E. Morfill: Structural properties of dense hard sphere packings. *Phys. Rev. B* 83, 184105 (2011).

Koekemoer, A.M., S.M. Faber, H.C. Ferguson, ..., K. Nandra, ..., D.J. Rosario, ..., S. Wuyts et al.: CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products, and Mosaics. *Ap. J. Supp. Ser.* 197, 36 (2011).

Kopp, M., S. Hofmann and J. Weller: Separate universes do not constrain primordial black hole formation. *Phys. Rev. D*, 83, Issue 12, 124025 (2011).

Kormendy, J. and R. Bender: Supermassive black holes do not correlate with dark matter haloes of galaxies. *Nature* 469, 377-380 (2011).

Kormendy, J., R. Bender and M.E. Cornell: Supermassive black holes do not correlate with galaxy disks or pseudobulges. *Nature* 469, 374-376 (2011).

Kova c, K., C. Porciani, S.J. Lilly, ..., A. Bongiorno, ..., A. Finoguenov, et al.: The Nonlinear Biasing of the zCOSMOS Galaxies up to $z \sim 1$ from the 10k Sample. *Ap. J.* 731, 102 (2011).

Krajnovi c, D., E. Emsellem, M. Cappellari, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, R.L. Davies, T.A. Davis, P.T. de Zeeuw, S. Khochfar, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, A.-M. Weijmans and L.M. Young: The ATLAS3D project - II. Morphologies, kinematic features and alignment between photometric and kinematic axes of early-type galaxies. *Mon. Not. R. Astron. Soc.* 414, 2923-2949 (2011).

Krause, M., A. Burkert and M. Schartmann: Stability of cloud orbits in the broad-line region of active galactic nuclei. *Mon. Not. R. Astron. Soc.* 411, 550-556 (2011).

Krause, M., J. Blum, Y.V. Skorov and M. Trieloff: Thermal conductivity measurements of porous dust aggregates: I. Technique, model and first results. *Icarus* 214, 286-296 (2011).

Kretschmer, M., U. Konopka, S.K. Zhdanov, H.M. Thomas, G.E. Morfill, V.E. Fortov, V.I. Molotkov, A.M. Lipaev and O.F. Petrov: Particles Inside the Void of a Complex Plasma. *IEEE Trans. Plasma Sci.* 39, 2758-2759 (2011).

Kristensen, L.E. and E.F. van Dishoeck: Water in star-forming regions with Herschel. *Astron. Nachr.* 332, 475 (2011).

Kristensen, L.E., E.F. van Dishoeck, M. Tafalla, R. Bachiller, B. Nisini and R. Liseau: Water in low-mass star-forming regions with Herschel (WISH-LM). High-velocity H_2O bullets in L1448-MM observed with HIFI. *Astron. Astrophys.* 531, L1 (2011).

- Kronberg, E.A., R. Bučík, S. Haaland, B. Klecker, K. Keika, M.I. Desai, P.W. Daly, M. Yamauchi, R. Gómez-Herrero and A.T.Y. Lui: On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. *J. Geophys. Res. (Space Phys.)* 116, 2210 (2011).
- Krühler, T., J. Greiner, P. Schady, S. Savaglio, P.M.J. Afonso, C. Clemens, J. Elliott, R. Filgas, D. Gruber, D.A. Kann, S. Klose, A. Küpcü-Yoldaş, S. McBreen, F. Olivares E., D. Pierini, A. Rau, A. Rossi, M. Nardini, A. Nicuesa Guelbenzu, V. Sudilovsky and A.C. Updike: The SEDs and host galaxies of the dustiest GRB afterglows. *Astron. Astrophys.* 534, A108 (2011).
- Krühler, T., P. Schady, J. Greiner, P. Afonso, E. Bottacini, C. Clemens, R. Filgas, S. Klose, T.S. Koch, A. Küpcü-Yoldaş, S.R. Oates, F. Olivares E., M.J. Page, S. McBreen, M. Nardini, A. Nicuesa Guelbenzu, A. Rau, P.W.A. Roming, A. Rossi, A. Updike and A. Yoldaş: Photometric redshifts for gamma-ray burst afterglows from GROUND and Swift/UVOT. *Astron. Astrophys.* 526, A153 (2011).
- Kuiper, E., N.A. Hatch, B.P. Venemans, G.K. Miley, H.J.A. Röttgering, J.D. Kurk, R.A. Overzier, L. Pentericci, J. Bland-Hawthorn and J. Cepa: Discovery of a high- z protocluster with tunable filters: the case of 6C0140+326 at $z = 4.4$. *Mon. Not. R. Astron. Soc.* 417, 1088-1097 (2011).
- Kuiper, E., N.A. Hatch, G.K. Miley, N.P.H. Nesvadba, H.J.A. Röttgering, J.D. Kurk, M.D. Lehnert, R.A. Overzier, L. Pentericci, J. Schaye and B.P. Venemans: A SINFONI view of flies in the Spiderweb: a galaxy cluster in the making. *Mon. Not. R. Astron. Soc.* 415, 2245-2256 (2011).
- Landriau, M. and E.P. S. Shellard: Cosmic string induced CMB maps. *Phys. Rev. (D)* 83, 043516, (2011).
- Lerchster, M., S. Seitz, F. Brimiouille, R. Fassbender, M. Rivilos, H. Böhringer, D. Pierini, M. Kilbinger, A. Finoguenov, H. Quintana and R. Bender: The massive galaxy cluster XMMU J1230.3+1339 at $z \sim 1$: colour-magnitude relation, Butcher-Oemler effect, X-ray and weak lensing mass estimates. *Mon. Not. R. Astron. Soc.* 411, 2667-2694 (2011).
- Lin, L., C. Kouveliotou, E. Göğüş, A.J. van der Horst, A.L. Watts, M.G. Baring, Y. Kaneko, R.A.M.J. Wijers, P.M. Woods, S. Barthelmy, J.M. Burgess, V. Chaplin, N. Gehrels, A. Goldstein, J. Granot, S. Guiriec, J. Mcenery, R.D. Preece, D. Tierney, M. van der Klis, A. von Kienlin and S.N. Zhang: Burst and Persistent Emission Properties during the Recent Active Episode of the Anomalous X-Ray Pulsar 1E 1841-045. *Ap. J. Lett.* 740, L16 (2011).
- Lin, L., C. Kouveliotou, M.G. Baring, A.J. van der Horst, S. Guiriec, P.M. Woods, E. Göğüş, Y. Kaneko, J. Scargle, J. Granot, R. Preece, A. von Kienlin, V. Chaplin, A.L. Watts, R.A.M.J. Wijers, S.N. Zhang, N. Bhat, M.H. Finger, N. Gehrels, A. Harding, L. Kaper, V. Kaspi, J. Mcenery, C.A. Meegan, W.S. Paciesas, A. Pe'er, E. Ramirez-Ruiz, M. van der Klis, S. Wachter and C. Wilson-Hodge: Fermi/Gamma-Ray Burst Monitor Observations of SGR J0501+4516 Bursts. *Ap. J.* 739, 87 (2011).
- Lindner, R.R., A.J. Baker, A. Omont, A. Beelen, F.N. Owen, F. Bertoldi, H. Dole, N. Fiolet, A.I. Harris, R.J. Ivison, C.J. Lonsdale, D. Lutz and M. Polletta: A Deep 1.2 mm Map of the Lockman Hole North Field. *Ap. J.* 737, 83 (2011).
- Liu, F.-C., B. Parise, L. Kristensen, R. Visser, E.F. van Dishoeck and R. Güsten: Water deuterium fractionation in the low-mass protostar NGC1333-IRAS2A. *Astron. Astrophys.* 527, A19 (2011).
- Lomb, L., T.R.M. Barends, S. Kassemeyer, A. Aquila, S.W. Epp, B. Erk, L. Foucar, R. Hartmann, B. Rudek, D. Rolles, A. Rudenko, R.L. Shoeman, J. Andreasson, S. Bajt, M. Barthelmess, A. Barty, M.J. Bogan, C. Bostedt, J.D. Bozek, C. Caleman, R. Coffee, N. Coppola, D.P. De Ponte, R.B. Doak, T. Ekeberg, H. Fleckenstein, P. Fromme, M. Gebhardt, H. Graafsma, L. Gumprecht, C.Y. Hampton, A. Hartmann, G. Hauser, H. Hirsemann, P. Holl, J.M. Holton, M.S. Hunter, W. Kabsch, N. Kimmel, R.A. Kirian, M. Liang, F.R.N.C. Maia, A. Meinhart, S. Marchesini, A.V. Martin, K. Nass, C. Reich, J. Schulz, M.M. Seibert, R. Sierra, H. Soltau, J.C.H. Spence, J. Steinbrener, F. Stellato, S. Stern, N. Timneanu, X. Wang, G. Weidenspointner, U. Weierstall, T.A. White, C. Wunderer, H.N. Chapman, J. Ullrich, L. Strüder and I. Schlichting: Radiation damage in protein serial femtosecond crystallography using an x-ray free-electron laser. *Phys. Rev. (B)* 84 (2011).
- Luo, B., W.N. Brandt, Y.Q. Xue, D.M. Alexander, M. Brusa, F.E. Bauer, A. Comastri, A.C. Fabian, R. Gilli, B.D. Lehmer, D.A. Rafferty, D.P. Schneider and C. Vignali: Revealing a Population of Heavily Obscured Active Galactic Nuclei at $z \sim 0.5-1$ in the Chandra Deep Field-South. *Ap. J.* 740, 37 (2011).
- Lusso, E., A. Comastri, C. Vignali, G. Zamorani, E. Treister, D. Sanders, M. Bolzonella, A. Bongiorno, M. Brusa, F. Civano, R. Gilli, V. Mainieri, P. Nair, M.C. Aller, M. Carollo, A.M. Koekemoer, A. Merloni and J.R. Trump: The bolometric output and host-galaxy properties of obscured AGN in the XMM-COSMOS survey. *Astron. Astrophys.* 534, A110 (2011).
- Lutz, D., A. Poglitsch, B. Altieri, P. Andreani, H. Aussel, S. Berta, A. Bongiovanni, D. Brisbin, A. Cava, J. Cepa, A. Cimatti, E. Daddi, H. Dominguez-Sanchez, D. Elbaz, N.M. Förster Schreiber, R. Genzel, A. Grazian, C. Gruppioni, M. Harwit, E. Le Floch, G. Magdis, B. Magnelli, R. Maiolino, R. Nordon, A.M. Pérez García, P. Popesso, F. Pozzi, L. Riguccini, G. Rodighiero, A. Saintonge, M. Sanchez Portal, P. Santini, L. Shao, E. Sturm, L.J. Tacconi, I. Valtchanov, M. Wetzstein and E. Wieprecht: PACS Evolutionary Probe (PEP) - A Herschel key program. *Astron. Astrophys.* 532, A90 (2011).
- Magdis, G.E., D. Elbaz, M. Dickinson, H.S. Hwang, V. Charmandaris, L. Armus, E. Daddi, E. Le Floch, H. Aussel, H. Dannerbauer, D. Rigopoulou, V. Buat, G. Morrison, J. Mullaney, D. Lutz, D. Scott, D. Coia, A. Pope, M. Pannella, B. Altieri, D. Burgarella, M. Bethermin, K. Dasyra, J. Kartaltepe, R. Leiton, B. Magnelli, P. Popesso and I. Valtchanov: GOODS-Herschel: a population of 24 μm dropout sources at $z < 2$. *Astron. Astrophys.* 534, A15 (2011).
- Magliocchetti, M., P. Santini, G. Rodighiero, A. Grazian, H. Aussel, B. Altieri, P. Andreani, S. Berta, J. Cepa, H. Castañeda, A. Cimatti, E. Daddi, D. Elbaz, R. Genzel, C. Gruppioni, D. Lutz, B. Magnelli, R. Maiolino, P. Popesso,

- A. Poglitsch, F. Pozzi, M. Sanchez-Portal, N.M. Förster Schreiber, E. Sturm, L. Tacconi and I. Valtchanov: The PEP survey: clustering of infrared-selected galaxies and structure formation at $z \sim 2$ in GOODS-South. *Mon. Not. R. Astron. Soc.* 416, 1105-1117 (2011).
- Magnelli, B., D. Elbaz, R.R. Chary, M. Dickinson, D. Le Borgne, D.T. Frayer and C.N.A. Willmer: Evolution of the dusty infrared luminosity function from $z = 0$ to $z = 2.3$ using observations from Spitzer. *Astron. Astrophys.* 528, A35 (2011).
- Mainieri, V., A. Bongiorno, A. Merloni, M. Aller, M. Carollo, K. Iwasawa, A.M. Koekemoer, M. Mignoli, J.D. Silverman, M. Bolzonella, M. Brusa, A. Comastri, R. Gilli, C. Halliday, O. Ilbert, E. Lusso, M. Salvato, C. Vignali, G. Zamorani, T. Contini, J.-P. Kneib, O. Le Fèvre, S. Lilly, A. Renzini, M. Scodeggio, I. Balestra, S. Bardelli, K. Caputi, G. Coppa, O. Cucciati, S. de la Torre, L. de Ravel, P. Franzetti, B. Garilli, A. Iovino, P. Kampczyk, C. Knobel, K. Kovač, F. Lamareille, J.-F. Le Borgne, V. Le Brun, C. Maier, P. Nair, R. Pello, Y. Peng, E. Perez Montero, L. Pozzetti, E. Ricciardelli, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, E. Zucca, H. Aussel, P. Capak, N. Cappelluti, M. Elvis, F. Fiore, G. Hasinger, C. Impey, E. Le Floc'h, N. Scoville, Y. Taniguchi and J. Trump: Black hole accretion and host galaxies of obscured quasars in XMM-COSMOS. *Astron. Astrophys.* 535, A80 (2011).
- Maio, U. and F. Iannuzzi: Baryon history and cosmic star formation in non-Gaussian cosmological models: numerical simulations. *Mon. Not. R. Astron. Soc.* 415, 3021-3032 (2011).
- Maio, U., L.V.E. Koopmans and B. Ciardi: The impact of primordial supersonic flows on early structure formation, reionization and the lowest-mass dwarf galaxies. *Mon. Not. R. Astron. Soc.* 412, L40-L44 (2011).
- Maio, U., S. Khochfar, J.L. Johnson and B. Ciardi: The interplay between chemical and mechanical feedback from the first generation of stars. *Mon. Not. R. Astron. Soc.* 414, 1145-1157 (2011).
- Maio, U.: Gas distribution, metal enrichment and baryon fraction in Gaussian and non-Gaussian universes. *Classical and Quantum Gravity* 28, 225015 (2011).
- Mancini, C., N.M. Förster Schreiber, A. Renzini, G. Cresci, E.K.S. Hicks, Y. Peng, D. Vergani, S. Lilly, M. Carollo, L. Pozzetti, G. Zamorani, E. Daddi, R. Genzel, C. Maraston, H.J. McCracken, L. Tacconi, N. Bouché, R. Davies, P. Oesch, K. Shapiro, V. Mainieri, D. Lutz, M. Mignoli and A. Sternberg: The zCOSMOS-SINFONI Project. I. Sample Selection and Natural-seeing Observations. *Ap. J.* 743, 86 (2011).
- Marghitu, O., C. Bunescu, T. Karlsson, B. Klecker and H.C. Stenbaek-Nielsen: On the divergence of the auroral electrojets. *J. Geophys. Res. (Space Phys.)* 116, 0 (2011).
- Markovic, K., S. Bridle, A. Slosar and J. Weller: Constraining warm dark matter with cosmic shear power. *J. of Cosmology and Astroparticle Phys.* 01, 022 (2011).
- Marshall, J.P., T. Löhne, B. Montesinos, A.V. Krivov, C. Eiroa, O. Absil, G. Bryden, J. Maldonado, A. Mora, J. Sanz-Forcada, D. Ardila, J.-Ch. Augereau, A. Bayo, C. Del Burgo, W. Danchi, S. Ertel, D. Fedele, M. Fridlund, J. Lebreton, B.M. González-García, R. Liseau, G. Meeus, S. Müller, G.L. Pilbratt, A. Roberge, K. Stapelfeldt, P. Thébaud, G.J. White and S. Wolf: A Herschel resolved far-infrared dust ring around HD 207129. *Astron. Astrophys.* 529, A117-A123 (2011).
- Martinez-Valpuesta, I. and O. Gerhard: Unifying A Boxy Bulge and Planar Long Bar in the Milky Way. *Ap. J. Lett.* 734, L20 (2011).
- Matsuda, Y., I. Smail, J.E. Geach, P.N. Best, D. Sobral, I. Tanaka, F. Nakata, K. Ohta, J. Kurk, I. Iwata, R. Bielby, J.L. Wardlow, R.G. Bower, R.J. Ivison, T. Kodama, T. Yamada, K. Mawatari and M. Casali: An H α search for overdense regions at $z = 2.23$. *Mon. Not. R. Astron. Soc.* 416, 2041-2059 (2011).
- Matsukiyo, S. and M. Scholer: Microstructure of the heliospheric termination shock: Full particle electrodynamic simulations. *Journal of Geophys. Res.* 116, Issue A8, A08106 (2011).
- McCarthy, I.G., J. Schaye, R.G. Bower, T.J. Ponman, C.M. Booth, C. Dalla Vecchia and V. Springel: Gas expulsion by quasar-driven winds as a solution to the overcooling problem in galaxy groups and clusters. *Mon. Not. R. Astron. Soc.* 412, 1965-1984 (2011).
- McGee, S.L., M.L. Balogh, D.J. Wilman, R.G. Bower, J.S. Mulchaey, L.C. Parker and A. Oemler: The Dawn of the Red: star formation histories of group galaxies over the past 5 billion years. *Mon. Not. R. Astron. Soc.* 413, 996-1012 (2011).
- McGurk, R.C., C.E. Max, D.J. Rosario, G.A. Shields, K.L. Smith and S.A. Wright: Spatially Resolved Spectroscopy of SDSS J0952+2552: A Confirmed Dual Active Galactic Nucleus. *Ap. J. Lett.* 738, L2, (2011).
- Medling, A., S.M. Ammons, C. Max, R. Davies, H. Engel and G. Canalizo: Mass of the Southern Black Hole in NGC 6240 from Laser Guide Star Adaptive Optics. *Ap. J.* 743, 32, (2011).
- Meech, K.J., M.F. A'Hearn, J.A. Adams, ..., K. Dennerl, et al.: EPOXI: Comet 103P/Hartley 2 Observations from a Worldwide Campaign. *Ap. J. Lett.* 734, L1 (2011).
- Mereghetti, S., A. Tiengo, P. Esposito, G. Vianello, A. de Luca, D. Götz, G. Weidenspointner, A. von Kienlin, G.L. Israel, L. Stella, N. Rea, R. Turolla and S. Zane: Two magnetars: SGR 1627-41 and 1E 1547-5408. *Adv. Space Res.* 47, 1312-1316 (2011).
- Mignani, R.P., S. Zane, R. Turolla, F. Haberl, M. Cropper, C. Motch, A. Treves and L. Zampieri: VLT/FORS2 observations of the optical counterpart of the isolated neutron star RBS 1774. *Astron. Astrophys.* 530, A39 (2011).
- Mitic, S., M.Y. Pustynnik, G.E. Morfill and E. Kovačević: In situ characterization of nanoparticles during growth by means of white light scattering. *Optics Letters* 36, 3699 (2011).
- Mittal, R., C.P. O'Dea, G. Ferland, J.B.R. Oonk, A.C. Edge, R.E.A. Canning, H. Russell, S.A. Baum, H. Böhringer, F. Combes, M. Donahue, A.C. Fabian, N.A. Hatch, A. Hoffer, R. Johnstone, B.R. McNamara, P. Salomé and G. Trem-

- blay: Herschel observations of the Centaurus cluster - the dynamics of cold gas in a cool core. *Mon. Not. R. Astron. Soc.* 418, 2386-2402 (2011).
- Mortier, A., I. Oliveira and E.F. van Dishoeck: Spectroscopic properties of young stellar objects in the Lupus molecular clouds. *Mon. Not. R. Astron. Soc.* 418, 1194-1207 (2011).
- Müller, T.G., J. Ďurech, S. Hasegawa, M. Abe, K. Kawakami, T. Kasuga, D. Kinoshita, D. Kuroda, S. Urakawa, S. Okumura, Y. Sarugaku, S. Miyasaka, Y. Takagi, P.R. Weissman, Y.-J. Choi, S. Larson, K. Yanagisawa and S. Nagayama: Thermo-physical properties of 162173 (1999 JU3), a potential flyby and rendezvous target for interplanetary missions. *Astron. Astrophys.* 525, A145 (2011).
- Müller-Sánchez, F., M.A. Prieto, E.K.S. Hicks, H. Vives-Arias, R.I. Davies, M. Malkan, L.J. Tacconi and R. Genzel: Outflows from Active Galactic Nuclei: Kinematics of the Narrow-line and Coronal-line Regions in Seyfert Galaxies. *Ap. J.* 739, 69 (2011).
- Müller, A., M.E. van den Ancker, R. Launhardt, J.U. Pott, D. Fedele and Th. Henning: HD 135344B: a young star has reached its rotational limit. *Astron. Astrophys.* 530, 85 (2011).
- Napolitano, N.R., A.J. Romanowsky, M. Capaccioli, N.G. Douglas, M. Arnaboldi, L. Coccato, O. Gerhard, K. Kuijken, M.R. Merrifield, S.P. Bamford, A. Cortesi, P. Das and K.C. Freeman: The PN.S Elliptical Galaxy Survey: a standard Λ CDM halo around NGC 4374?. *Mon. Not. R. Astron. Soc.* 411, 2035-2053 (2011).
- Nardini, M., J. Greiner, T. Krühler, R. Filgas, S. Klose, P. Afonso, C. Clemens, A.N. Guelbenzu, F. Olivares E., A. Rau, A. Rossi, A. Updike, A. Küpcü Yoldaş, A. Yoldaş, D. Burlon, J. Elliott and D.A. Kann: On the nature of the extremely fast optical rebrightening of the afterglow of GRB 081029. *Astron. Astrophys.* 531, A39 (2011).
- Nastasi, A., R. Fassbender, H. Böhringer, R. Šuhada, P. Rosati, D. Pierini, M. Verdugo, J.S. Santos, A.D. Schwoppe, A. de Hoon, J. Kohnert, G. Lamer, M. Mühlegger and H. Quintana: Discovery of the X-ray selected galaxy cluster XMMU J0338.8+0021 at $z = 1.49$. Indications of a young system with a brightest galaxy in formation. *Astron. Astrophys.* 532, L6 (2011).
- Neistein, E., C. Li, S. Khochfar, S.M. Weinmann, F. Shankar and M. Boylan-Kolchin: A tale of two populations: the stellar mass of central and satellite galaxies. *Mon. Not. R. Astron. Soc.* 416, 1486-1499 (2011).
- Neistein, E., S.M. Weinmann, C. Li and M. Boylan-Kolchin: Linking haloes to galaxies: how many halo properties are needed?. *Mon. Not. R. Astron. Soc.* 414, 1405-1417 (2011).
- Nicuesa Guelbenzu, A., S. Klose, A. Rossi, D.A. Kann, T. Krühler, J. Greiner, A. Rau, F. Olivares E., P.M.J. Afonso, R. Filgas, A. Küpcü Yoldaş, S. McBreen, M. Nardini, P. Schady, S. Schmidl, A.C. Updike and A. Yoldaş: GRB 090426: Discovery of a jet break in a short burst afterglow. *Astron. Astrophys.* 531, L6 (2011).
- Ninković, J., L. Andriček, C. Jendrisyk, G. Liemann, G. Lutz, H.-G. Moser, R. Richter and F. Schopper: The first measurements on SiPMs with bulk integrated quench resistors. *Nucl. Instrum. Methods Phys. Res. (A)* 628, 407-410 (2011).
- Nosenko, V., G.E. Morfill and P. Rosakis: Direct Experimental Measurement of the Speed-Stress Relation for Dislocations in a Plasma Crystal. *Phys. Rev. Lett.* 106, 155002 (2011).
- Noutsos, A., A.A. Abdo, M. Ackermann, ..., A. von Kienlin, et al.: Radio and γ -ray Constraints on the Emission Geometry and Birthplace of PSR J2043+2740. *Ap. J.* 728, 77 (2011).
- Novara, G., N. La Palombara, S. Mereghetti, F. Haberl, M. Coe, M. Filipovic, A. Udalski, A. Paizis, W. Pietsch, R. Sturm, M. Gilfanov, A. Tiengo, J. Payne, D. Smits and A. de Horta: Highly absorbed X-ray binaries in the Small Magellanic Cloud. *Astron. Astrophys.* 532, A153 (2011).
- Ntormousi, E., A. Burkert, K. Fierlinger and F. Heitsch: Formation of Cold Filamentary Structure from Wind-blown Superbubbles. *Ap. J.* 731, 13 (2011).
- Öberg, K.I., A.C.A. Boogert, K.M. Pontoppidan, S. van den Broek, E.F. van Dishoeck, S. Bottinelli, G.A. Blake and N.J. Evans II: The Spitzer Ice Legacy: Ice Evolution from Cores to Protostars. *Ap. J.* 740, 109 (2011).
- Öberg, K.I., N. van der Marel, L.E. Kristensen and E.F. van Dishoeck: Complex Molecules toward Low-mass Protostars: The Serpens Core. *Ap. J.* 740, 14 (2011).
- Oliveira, I., J. Olofsson, K.M. Pontoppidan, E.F. van Dishoeck, J.-C. Augereau and B. Merin: On the Evolution of Dust Mineralogy, from Protoplanetary Disks to Planetary Systems. *Ap. J.* 734, 51 (2011).
- Oliveira, I., R.A. Overzier, K.M. Pontoppidan, E.F. van Dishoeck and L. Spezzi: VLT/X-shooter Spectroscopy of a dusty planetary nebula discovered with Spitzer/IRS. *Astron. Astrophys.* 526, A41 (2011).
- Olofsson, J., M. Benisty, J.-C. Augereau, C. Pinte, F. Ménard, E. Tatulli, J.-P. Berger, F. Malbet, B. Merin, E.F. van Dishoeck, S. Lacour, K.M. Pontoppidan, J.-L. Monin, J.M. Brown and G.A. Blake: Warm dust resolved in the cold disk around T Chamaeleontis with VLT/AMBER. *Astron. Astrophys.* 528, L6 (2011).
- Orban de Xivry, G., R. Davies, M. Schartmann, S. Komossa, A. Marconi, E. Hicks, H. Engel and L. Tacconi: The role of secular evolution in the black hole growth of narrow-line Seyfert 1 galaxies. *Mon. Not. R. Astron. Soc.* 417, 2721-2736 (2011).
- Ordavo, I., S. Ihle, V. Arkadiev, O. Scharf, H. Soltau, A. Bjeoumikhov, S. Bjeoumikhova, G. Buzanich, R. Gubzhokov, A. Günther, R. Hartmann, P. Holl, N. Kimmel, M. Kühbacher, M. Lang, N. Langhoff, A. Liebel, M. Radtke, U. Reinholz, H. Riesemeier, G. Schaller, F. Schopper, L. Strüder, C. Thamm and R. Wedell: A new pnCCD-based color X-ray camera for fast spatial and energy-resolved measurements. *Nucl. Instrum. Methods Phys. Res. (A)* 654, 250-257 (2011).
- Oteo, I., A. Bongiovanni, A.M. Pérez García, J. Cepa, A. Ederoclite, M. Sánchez-Portal, I. Pintos-Castro, D. Lutz, S. Berta, E. Le Floc'h, B. Magnelli, P. Popesso, F. Pozzi, L.

- Riguccini, B. Altieri, P. Andreani, H. Aussel, A. Cimatti, E. Daddi, D. Elbaz, N. Förster Schreiber, R. Genzel, R. Maiolino, A. Poglitsch, E. Sturm, L. Tacconi and I. Valtchanov: FIR Measurements of Ly α Emitters at $z < \sim 1.0$: Dust Attenuation from PACS-Herschel. *Ap. J. Lett.* 735, L15 (2011).
- Owen, R.A., M.D. Filipović, J. Ballet, F. Haberl, E.J. Crawford, J.L. Payne, R. Sturm, W. Pietsch, S. Mereggetti, M. Ehle, A. Tiengo, M.J. Coe, D. Hatzidimitriou and D.A.H. Buckley: IKT 16: a composite supernova remnant in the Small Magellanic Cloud. *Astron. Astrophys.* 530, A132 (2011).
- Paardekooper, J.-P., F.I. Pelupessy, G. Altay and C.J.H. Kruip: The escape of ionising radiation from high-redshift dwarf galaxies. *Astron. Astrophys.* 530, A87 (2011).
- Page, K.L., R.L.C. Starling, G. Fitzpatrick, S.B. Pandey, J.P. Osborne, P. Schady, S. McBreen, S. Campana, T.N. Ukwatta, C. Pagani, A.P. Beardmore and P.A. Evans: GRB 090618: detection of thermal X-ray emission from a bright gamma-ray burst. *Mon. Not. R. Astron. Soc.* 416, 2078-2089 (2011).
- Pasquali, A., A. Bik, S. Zibetti, N. Ageorges, W. Seifert, W. Brandner, H.-W. Rix, M. Jütte, V. Knierim, P. Buschkamp, C. Feiz, H. Gemperlein, A. Germeroth, R. Hofmann, W. Laun, R. Lederer, M. Lehmitz, R. Lenzen, U. Mall, H. Mandel, P. Müller, V. Naranjo, K. Polsterer, A. Quirrenbach, L. Schäffner, C. Storz and P. Weiser: Infrared Narrowband Tomography of the Local Starburst NGC 1569 with the Large Binocular Telescope/LUCIFER. *Astron. J.* 141, 132 (2011).
- Petric, A.O., L. Armus, J. Howell, B. Chan, J.M. Mazzarella, A.S. Evans, J.A. Surace, D. Sanders, P. Appleton, V. Charmandaris, T. Díaz-Santos, D. Frayer, S. Haan, H. Inami, K. Iwasawa, D. Kim, B. Madore, J. Marshall, H. Spoon, S. Stierwalt, E. Sturm, V. U, T. Vavilkin and S. Veilleux: Mid-Infrared Spectral Diagnostics of Luminous Infrared Galaxies. *Ap. J.* 730, 28 (2011).
- Pfuhl, O., T.K. Fritz, M. Zilka, H. Maness, F. Eisenhauer, R. Genzel, S. Gillessen, T. Ott, K. Dodds-Eden and A. Sternberg: The Star Formation History of the Milky Way's Nuclear Star Cluster. *Ap. J.* 741, 108 (2011).
- Phan, T.D., T.E. Love, J.T. Gosling, G. Paschmann, J.P. Eastwood, M. Oieroset, V. Angelopoulos, J.P. McFadden, D. Larson and U. Auster: Triggering of magnetic reconnection in a magnetosheath current sheet due to compression against the magnetopause. *Geophys. Res. Lett.* 38, 17101 (2011).
- Pierini, D., S. Giodini, A. Finoguenov, H. Böhringer, E. D'Onghia, G.W. Pratt, J. Démoclès, M. Pannella, S. Zibetti, F.G. Braglia, M. Verdugo, F. Ziparo, A.M. Koekemoer, M. Salvato and COSMOS Collaboration: Two fossil groups of galaxies at $z \sim 0.4$ in the Cosmic Evolution Survey: accelerated stellar-mass build-up, different progenitors. *Mon. Not. R. Astron. Soc.* 417, 2927-2937 (2011).
- Pietsch, W., M. Henze, F. Haberl, M. Hernanz, G. Sala, D.H. Hartmann and M. Della Valle: Nova M31N 2007-12b: supersoft X-rays reveal an intermediate polar?. *Astron. Astrophys.* 531, A22 (2011).
- Piranomonte, S., S.D. Vergani, F. Onori, S. Savaglio, E. Palazzi, H. Flores, S. Covino, P. Goldoni, S. Randich, F. Hammer, E. Pian and G. Tagliaferri: GRB host galaxies studies with X-shooter. *Astron. Nachr.* 332, 283 (2011).
- Polletta, M.P., N.P.H. Nesvadba, R.N. Neri, A.O. Omont, S.B. Berta and J.B. Bergeron: Disk, merger, or outflow? Molecular gas kinematics in two powerful obscured QSOs at $z \geq 3.4$. *Astron. Astrophys.* 533, A20, (2011).
- Popesso, P., G. Rodighiero, A. Saintonge, P. Santini, A. Grazian, D. Lutz, M. Brusa, B. Altieri, P. Andreani, H. Aussel, S. Berta, A. Bongiovanni, A. Cava, J. Cepa, A. Cimatti, E. Daddi, H. Dominguez, D. Elbaz, N. Förster Schreiber, R. Genzel, C. Gruppioni, G. Magdis, R. Maiolino, B. Magnelli, R. Nordon, A.M. Pérez García, A. Poglitsch, F. Pozzi, L. Riguccini, M. Sanchez-Portal, L. Shao, E. Sturm, L. Tacconi, I. Valtchanov, E. Wiegrecht and M. Wetzstein: The effect of environment on star forming galaxies at redshift. I. First insight from PACS. *Astron. Astrophys.* 532, A145 (2011).
- Prantzos, N., C. Boehm, A.M. Bykov, R. Diehl, K. Ferrière, N. Guessoum, P. Jean, J. Knoedlseder, A. Marcowith, I.V. Moskalenko, A. Strong and G. Weidenspointner: The 511 keV emission from positron annihilation in the Galaxy. *Reviews of Modern Physics* 83, 1001-1056 (2011).
- Racusin, J.L., S.R. Oates, P. Schady, D.N. Burrows, M. de Pasquale, D. Donato, N. Gehrels, S. Koch, J. McEnery, T. Piran, P. Roming, T. Sakamoto, C. Swenson, E. Troja, V. Vasileiou, F. Virgili, D. Wanderman and B. Zhang: Fermi and Swift Gamma-ray Burst Afterglow Population Studies. *Ap. J.* 738, 138 (2011).
- Reichert, A., H. Böhringer, R. Fassbender and M. Mühlegger: Observational constraints on the redshift evolution of X-ray scaling relations of galaxy clusters out to $z \sim 1.5$. *Astron. Astrophys.* 535, A4 (2011).
- Rigliaco, E., A. Natta, S. Randich, L. Testi, E. Covino, G. Herczeg and J.M. Alcalá: X-shooter observations of the accreting brown dwarf J053825.4-024241. *Astron. Astrophys.* 526, L6 (2011).
- Rodighiero, G., E. Daddi, I. Baronchelli, A. Cimatti, A. Renzini, H. Aussel, P. Popesso, D. Lutz, P. Andreani, S. Berta, A. Cava, D. Elbaz, A. Feltre, A. Fontana, N.M. Förster Schreiber, A. Franceschini, R. Genzel, A. Grazian, C. Gruppioni, O. Ilbert, E. Le Floc'h, G. Magdis, M. Magliocchetti, B. Magnelli, R. Maiolino, H. McCracken, R. Nordon, A. Poglitsch, P. Santini, F. Pozzi, L. Riguccini, L.J. Tacconi, S. Wuyts and G. Zamorani: The Lesser Role of Starbursts in Star Formation at $z = 2$. *Ap. J. Lett.* 739, L40 (2011).
- Roediger, E., M. Brüggen, A. Simionescu, H. Böhringer, E. Churazov and W.R. Forman: Gas sloshing, cold front formation and metal redistribution: the Virgo cluster as a quantitative test case. *Mon. Not. R. Astron. Soc.* 413, 2057-2077 (2011).
- Romanzin, C., S. Ioppolo, H.M. Cuppen, E.F. van Dishoeck and H. Linnartz: Water formation by surface O3 hydrogenation. *Journal of Chemical Physics* 134, 084504 (2011).
- Rosario, D.J., R.C. McGurk, C.E. Max, G.A. Shields, K.L. Smith and S.A. Ammons: Adaptive Optics Imaging of Quasi-stellar Objects with Double-peaked Narrow Lines: Are

- They Dual Active Galactic Nuclei? *Ap. J.* 739, 44 (2011).
- Ross, A.J., S. Ho, A.J. Cuesta, R. Tojeiro, W.J. Percival, D. Wake, K.L. Masters, R.C. Nichol, A.D. Myers, F. de Simoni, H.J. Seo, C. Hernández-Monteagudo, R. Crittenden, M. Blanton, J. Brinkmann, L.A.N. da Costa, H. Guo, E. Kazin, M.A.G. Maia, C. Maraston, N. Padmanabhan, F. Prada, B. Ramos, A. Sanchez, E.F. Schlafly, D.J. Schlegel, D.P. Schneider, R. Skibba, D. Thomas, B.A. Weaver, M. White and I. Zehavi: Ameliorating systematic uncertainties in the angular clustering of galaxies: a study using the SDSS-III. *Mon. Not. R. Astron. Soc.* 417, 1350-1373 (2011).
- Rossetto, B.M., B.X.Santiago, L. Girardi, J.I.B. Camargo, E. Balbinot, L.N. da Costa, B. Yanny, M.A.G. Maia, M. Makler, R.L.C. Ogando, P.S. Pellegrini, B. Ramos, F. de Simoni, R. Armstrong, E. Bertin, S. Desai, N. Kuropatkin, H. Lin, J.J. Mohr and D.L. Tucker: The Dark Energy Survey: Prospects for Resolved Stellar Populations. *Astron. Journal* 141, 185 (2011).
- Rossi, A., S. Schulze, S. Klose, D.A. Kann, A. Rau, H.A. Krimm, G. Jóhannesson, A. Panaitescu, F. Yuan, P. Ferrero, T. Krühler, J. Greiner, P. Schady, S.B. Pandey, L. Amati, P.M.J. Afonso, C.W. Akerlof, L.A. Arnold, C. Clemens, R. Filgas, D.H. Hartmann, A. Küpcü Yoldaş, S. McBreen, T.A. McKay, A. Nicuesa Guelbenzu, F. Olivares E., B. Paciezas, E.S. Rykoff, G. Szokoly, A.C. Updike and A. Yoldaş: The Swift/Fermi GRB 080928 from 1 eV to 150 keV. *Astron. Astrophys.* 529, A142 (2011).
- Rossmannith, G., H. Modest, C. R  th, A.J. Banday, K.M. G  rski and G. Morfill: Search for Non-Gaussianities in the WMAP Data with the Scaling Index Method. *Adv. Astron.* 2011, id. 174873 (2011).
- Rovilos, E., S. Fotopoulou, M. Salvato, V. Burwitz, E. Egami, G. Hasinger and G. Szokoly: Optical and infrared properties of active galactic nuclei in the Lockman Hole. *Astron. Astrophys.* 529, A135 (2011).
- Rusli, S.P., J. Thomas, P. Erwin, R.P. Saglia, N. Nowak and R. Bender: The central black hole mass of the high- σ but low-bulge-luminosity lenticular galaxy NGC 1332. *Mon. Not. R. Astron. Soc.* 410, 1223-1236 (2011).
- R  th, C., A.J. Banday, G. Rossmannith, H. Modest, R. S  tterlin, K.M. G  rski, J. Delabrouille and G.E. Morfill: Scale-dependent non-Gaussianities in the WMAP data as identified by using surrogates and scaling indices. *Mon. Not. R. Astron. Soc.* 415, 2205-2214 (2011).
- Saintonge, A. and K. Spekkens: Disk Galaxy Scaling Relations in the SFI++: Intrinsic Scatter and Applications. *Ap. J.* 726, 77 (2011).
- Saintonge, A., G. Kauffmann, C. Kramer, L.J. Tacconi, C. Buchbender, B. Catinella, S. Fabello, J. Graci  -Carpio, J. Wang, L. Cortese, J. Fu, R. Genzel, R. Giovanelli, Q. Guo, M.P. Haynes, T.M. Heckman, M.R. Krumholz, J. Lemonias, C. Li, S. Moran, N. Rodr  guez-Fernandez, D. Schiminovich, K. Schuster and A. Sievers: COLD GASS, an IRAM legacy survey of molecular gas in massive galaxies - I. Relations between H_2 , H I, stellar content and structural properties. *Mon. Not. R. Astron. Soc.* 415, 32-60 (2011).
- Saintonge, A., G. Kauffmann, J. Wang, C. Kramer, L.J. Tacconi, C. Buchbender, B. Catinella, J. Graci  -Carpio, L. Cortese, S. Fabello, J. Fu, R. Genzel, R. Giovanelli, Q. Guo, M.P. Haynes, T.M. Heckman, M.R. Krumholz, J. Lemonias, C. Li, S. Moran, N. Rodr  guez-Fernandez, D. Schiminovich, K. Schuster and A. Sievers: COLD GASS, an IRAM legacy survey of molecular gas in massive galaxies - II. The non-universality of the molecular gas depletion time-scale. *Mon. Not. R. Astron. Soc.* 415, 61-76 (2011).
- Salvato, M., O. Ilbert, G. Hasinger, A. Rau, F. Civano, G. Zamorani, M. Brusa, M. Elvis, C. Vignali, H. Aussel, A. Comastri, F. Fiore, E. Le Floch, V. Mainieri, S. Bardelli, M. Bolzonella, A. Bongiorno, P. Capak, K. Caputi, N. Cappelluti, C.M. Carollo, T. Contini, B. Garilli, A. Iovino, S. Fotopoulou, A. Fruscione, R. Gilli, C. Halliday, J.-P. Kneib, Y. Kakazu, J.S. Kartaltepe, A.M. Koekemoer, K. Kovac, Y. Ideue, H. Ikeda, C.D. Impey, O. Le Fevre, F. Lamareille, G. Lanzuisi, J.-F. Le Borgne, V. Le Brun, S. Lilly, C. Maier, S. Manohar, D. Masters, H. McCracken, H. Messias, M. Mignoli, B. Mobasher, T. Nagao, R. Pello, S. Puccetti, E. Perez-Montero, A. Renzini, M. Sargent, D.B. Sanders, M. Scodreggio, N. Scoville, P. Shopbell, J. Silvermann, Y. Taniguchi, L. Tasca, L. Tresse, J.R. Trump and E. Zucca: Dissecting Photometric Redshift for Active Galactic Nucleus Using XMM- and Chandra-COSMOS Samples. *Ap. J.* 742, 61 (2011).
- Samsonov, D., C. Durniak, C. Knapek and G. Morfill: Defect-Induced Deformations in Complex Plasmas. *IEEE Trans. Plasma Sci.* 39, 2738-2739 (2011).
- Samsonov, D., C. Durniak, S. Zhdanov and G. Morfill: Tsunami in a Complex (Dusty) Plasma. *IEEE Trans. Plasma Sci.* 39, 2736-2737 (2011).
- Santos, J.S., R. Fassbender, A. Nastasi, H. B  hringer, P. Rosati, R. S  hada, D. Pierini, M. Nonino, M. M  hleger, H. Quintana, A.D. Schwobe, G. Lamer, A. de Hoon and V. Strazzullo: Discovery of a massive X-ray luminous galaxy cluster at $z = 1.579$. *Astron. Astrophys.* 531, L15 (2011).
- Sasaki, M., D. Breitschwerdt, V. Baumgartner and F. Haberl: XMM-Newton observations of the superbubble in N 158 in the LMC. *Astron. Astrophys.* 528, A136 (2011).
- Savin, S.F., L.G. D'Yachkov, M.I. Myasnikov, O.F. Petrov, M.M. Vasiliev, V.E. Fortov, A.Y. Kaleri, A.I. Borisenko and G.E. Morfill: Coulomb ensemble of charged diamagnetic macroparticles in an inhomogeneous magnetic field under microgravity conditions. *Soviet J. Exp. and Theo. Phys. Lett.* 94, 508-512 (2011).
- Schady, P., S. Savaglio, T. Kr  hler, J. Greiner and A. Rau: The missing gas problem in GRB host galaxies: evidence for a highly ionised component. *Astron. Astrophys.* 525, A113 (2011).
- Schartmann, M., M. Krause and A. Burkert: Radiation feedback on dusty clouds during Seyfert activity. *Mon. Not. R. Astron. Soc.* 415, 741-752 (2011).
- Scharw  chter, J., M.A. Dopita, J. Zuther, S. Fischer, S. Komossa and A. Eckart: Extended Narrow-line Emission in the Bright Seyfert 1.5 Galaxy HE 2211-3903. *Astron. J.* 142, 43 (2011).
- Schulze, S., S. Klose, G. Bj  rnsson, P. Jakobsson, D.A.

- Kann, A. Rossi, T. Krühler, J. Greiner and P. Ferrero: The circumburst density profile around GRB progenitors: a statistical study. *Astron. Astrophys.* 526, A23 (2011).
- Schurch, M.P.E., M.J. Coe, V.A. McBride, L.J. Townsend, A. Udalski, F. Haberl and R.H.D. Corbet: Orbital period determinations for four SMC Be/X-ray binaries. *Mon. Not. R. Astron. Soc.* 412, 391-400 (2011).
- Schwabe, M., K. Jiang, S. Zhdanov, T. Hagl, P. Huber, A.V. Ivlev, A.M. Lipaev, V.I. Molotkov, V.N. Naumkin, K.R. Sütterlin, H.M. Thomas, V.E. Fortov, G.E. Morfill, A. Skvortsov and S. Volkov: Direct measurement of the speed of sound in a complex plasma under microgravity conditions. *EPL (Europhysics Letters)* 96, 55001 (2011).
- Schwabe, M., L.-J. Hou, S. Zhdanov, A.V. Ivlev, H.M. Thomas and G.E. Morfill: Convection in a dusty radio-frequency plasma under the influence of a thermal gradient. *New J. Phys.* 13, 083034 (2011).
- Schwabe, M., S. Zhdanov, M. Rubin-Zuzic, A. Ivlev, H. Thomas and G. Morfill: Bursting Bubbles in a Complex Plasma. *IEEE Trans. Plasma Sci.* 39, 2726-2727 (2011).
- Schwabe, M., U. Konopka, P. Bandyopadhyay and G.E. Morfill: Pattern Formation in a Complex Plasma in High Magnetic Fields. *Phys. Rev. Lett.* 106, 215004 (2011).
- Seibert, M.M., T. Ekeberg, F.R.N.C. Maia, M. Svenda, J. Andreasson, O. Joensson, D. Odić, B. Iwan, A. Rocker, D. Westphal, M. Hantke, D.P. De Ponte, A. Barty, J. Schulz, L. Gumprecht, N. Coppola, A. Aquila, M. Liang, T.A. White, A. Martin, C. Coleman, S. Stern, C. Abergel, V. Seltzer, J.-M. Claverie, C. Bostedt, J.D. Bozek, S. Boutet, A.A. Miahnahri, M. Messerschmidt, J. Krzywinski, G. Williams, K.O. Hodgson, M.J. Bogan, C.Y. Hampton, R.G. Sierra, D. Starodub, I. Andersson, S. Bajt, M. Barthelmess, J.C.H. Spence, P. Fromme, U. Weierstall, R. Kirian, M. Hunter, R.B. Doak, S. Marchesini, S.P. Hau-Riege, M. Frank, R.L. Shoeman, L. Lomb, S.W. Epp, R. Hartmann, D. Rolles, A. Rudenko, C. Schmidt, L. Foucar, N. Kimmel, P. Holl, B. Rudek, B. Erk, A. Hömke, C. Reich, D. Pietschner, G. Weidenspointner, L. Strüder, G. Hauser, H. Gorke, J. Ullrich, I. Schlichting, S. Herrmann, G. Schaller, F. Schopper, H. Soltau, K.-U. Kühnel, R. Andritschke, C.-D. Schröter, F. Krasniqi, M. Bott, S. Schorb, D. Rupp, M. Adolph, T. Gorkhover, H. Hirsemann, G. Potdevin, H. Graafsma, B. Nilsson, H.N. Chapman and J. Hajdu: Single mimivirus particles intercepted and imaged with an X-ray laser. *Nature* 470, 78-81 (2011).
- Shimizu, S.S., T.S. Shimizu, W.J. Jacob, H.T. Thomas and G.M. Morfill: Levitation and collection of diamond fine particles in the rf plasma chamber equipped with a hot filament. *Phys. Plasmas* 18, 113703 (2011).
- Shimizu, T., J.L. Zimmermann and G.E. Morfill: The bactericidal effect of surface micro-discharge plasma under different ambient conditions. *New J. Phys.* 13, 023026 (2011).
- Shimizu, T., Y. Iwafuchi, G.E. Morfill and T. Sato: Formation of thermal flow fields and chemical transport in air and water by atmospheric plasma. *New J. Phys.* 13, 053025 (2011).
- Shimizu, T.S., Y.I. Iwafuchi, G.E. M. Morfill and T.S. Sato: Transport Mechanism of Chemical Species in a Pin-water Atmospheric Discharge driven by Negative Voltage. *Journal of Photopolymer Science and Technology* 24, 421-427 (2011).
- Shirokoff, E., C.L. Reichardt, L. Shaw, ..., J.J. Mohr, et al.: Improved Constraints on Cosmic Microwave Background Secondary Anisotropies from the Complete 2008 South Pole Telescope Data. *Ap. J.* 736 (2011).
- Sidorenko, I., R. Monetti, J. Bauer, D. Mueller, E. Rummeny, F. Eckstein, M. Matsuura, E.-M. Lochmueller, P. Zysset and C. Raeth: Assessing Methods for Characterising Local and Global Structural and Biomechanical Properties of the Trabecular Bone Network. *Current Medicinal Chemistry* 18, 3402-3409 (2011).
- Siebert, A., M.E.K. Williams, A. Siviero, W. Reid, C. Boeche, M. Steinmetz, J. Fulbright, U. Munari, T. Zwitter, F.G. Watson, R.F.G. Wyse, R.S. de Jong, H. Enke, B. Anguiano, D. Burton, C.J.P. Cass, K. Fiegert, M. Hartley, A. Ritter, K.S. Russel, M. Stupar, O. Bienaymé, K.C. Freeman, G. Gilmore, E.K. Grebel, A. Helmi, J.F. Navarro, J. Binney, J. Bland-Hawthorn, R. Campbell, B. Famaey, O. Gerhard, B.K. Gibson, G. Matijevič, Q.A. Parker, G.M. Seabroke, S. Sharma, M.C. Smith and E. Wylie-de Boer: The RAdial Velocity Experiment (RAVE): Third Data Release. *Astron. J.* 141, 187 (2011).
- Silverman, J.D., P. Kampczyk, K. Jahnke, R. Andrae, S.J. Lilly, M. Elvis, F. Civano, V. Mainieri, C. Vignali, G. Zamorani, P. Nair, O. Le Fèvre, L. de Ravel, S. Bardelli, A. Bongiorno, M. Bolzonella, A. Cappi, K. Caputi, C.M. Carollo, T. Contini, G. Coppa, O. Cucciati, S. de la Torre, P. Franzetti, B. Garilli, C. Halliday, G. Hasinger, A. Iovino, C. Knobel, A.M. Koekemoer, K. Kovač, F. Lamareille, J.-F. Le Borgne, V. Le Brun, C. Maier, M. Mignoli, R. Pello, E. Pérez-Montero, E. Ricciardelli, Y. Peng, M. Scodreggio, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, E. Zucca, M. Brusa, N. Cappelluti, A. Comastri, A. Finoguenov, H. Fu, R. Gilli, H. Hao, L.C. Ho and M. Salvato: The Impact of Galaxy Interactions on Active Galactic Nucleus Activity in zCOSMOS. *Ap. J.* 743, 2 (2011).
- Smolčić, V., A. Finoguenov, G. Zamorani, E. Schinnerer, M. Tanaka, S. Giodini and N. Scoville: On the occupation of X-ray-selected galaxy groups by radio active galactic nuclei since $z = 1.3$. *Mon. Not. R. Astron. Soc.* 416, L31-L35 (2011).
- Smolčić, V., P. Capak, O. Ilbert, A.W. Blain, M. Salvato, I. Aretxaga, E. Schinnerer, D. Masters, I. Morić, D.A. Riechers, K. Sheth, M. Aravena, H. Aussel, J. Aguirre, S. Berta, C.L. Carilli, F. Civano, G. Fazio, J. Huang, D. Hughes, J. Kartaltepe, A.M. Koekemoer, J.-P. Kneib, E. Le Floch, D. Lutz, H. McCracken, B. Mobasher, E. Murphy, F. Pozzi, L. Riguccini, D.B. Sanders, M. Sargent, K.S. Scott, N.Z. Scoville, Y. Taniguchi, D. Thompson, C. Willott, G. Wilson and M. Yun: The Redshift and Nature of AzTEC/COSMOS 1: A Starburst Galaxy at $z = 4.6$. *Ap. J. Lett.* 731, L27 (2011).
- Spavone, M., E. Iodice, M. Arnaboldi, G. Longo and O. Gerhard: Chemical abundances of the PRGs UGC 7576 and UGC 9796. I. Testing the formation scenario. *Astron. Astrophys.* 531, A21 (2011).

- Stiele, H., W. Pietsch, F. Haberl, D. Hatzidimitriou, R. Barnard, B.F. Williams, A.K.H. Kong and U. Kolb: The deep XMM-Newton Survey of M 31. *Astron. Astrophys.* 534, A55 (2011).
- Story, K., K.A. Aird, K. Andersson, ..., J.J. Mohr, et al.: South Pole Telescope Detections of the Previously Unconfirmed Planck Early Sunyaev-Zel'dovich Clusters in the Southern Hemisphere. *Ap. J.* 735 (2011).
- Strong, A.W., E. Orlando and T.R. Jaffe: The interstellar cosmic-ray electron spectrum from synchrotron radiation and direct measurements. *Astron. Astrophys.* 534, A54 (2011).
- Struck, C., C.L. Dobbs and J.-S. Hwang: Slowly breaking waves: the longevity of tidally induced spiral structure. *Mon. Not. R. Astron. Soc.* 414, 2498-2510 (2011).
- Sturm, E., E. González-Alfonso, S. Veilleux, J. Fischer, J. Graciá-Carpio, S. Hailey-Dunsheath, A. Contursi, A. Poglitsch, A. Sternberg, R. Davies, R. Genzel, D. Lutz, L. Tacconi, A. Verma, R. Maiolino and J.A. de Jong: Massive Molecular Outflows and Negative Feedback in ULIRGs Observed by Herschel-PACS. *Ap. J. Lett.* 733, L16 (2011).
- Sturm, R., F. Haberl, J. Greiner, W. Pietsch, N. La Palombara, M. Ehle, M. Gilfanov, A. Udalski, S. Mereghetti and M. Filipović: The XMM-Newton survey of the Small Magellanic Cloud: a new X-ray view of the symbiotic binary SMC 3. *Astron. Astrophys.* 529, A152 (2011).
- Sturm, R., F. Haberl, M.J. Coe, E.S. Bartlett, D.A.H. Buckley, R.H.D. Corbet, M. Ehle, M.D. Filipović, D. Hatzidimitriou, S. Mereghetti, N. La Palombara, W. Pietsch, A. Tiengo, L.J. Townsend and A. Udalski: The XMM-Newton survey of the Small Magellanic Cloud: discovery of the 11.866 s Be/X-ray binary pulsar XMMU J004814.0-732204(SXP11.87). *Astron. Astrophys.* 527, A131 (2011).
- Šuhada, R., R. Fassbender, A. Nastasi, H. Böhringer, A. de Hoon, D. Pierini, J.S. Santos, P. Rosati, M. Mühlegger, H. Quintana, A.D. Schwobe, G. Lamer, J. Kohnert and G.W. Pratt: Exploring the galaxy cluster-group transition regime at high redshifts. Physical properties of two newly detected $z > 1$ systems. *Astron. Astrophys.* 530, A110 (2011).
- Tanaka, I., C.D. Breuck, J.D. Kurk, Y. Taniguchi, T. Kodama, Y. Matsuda, C. Packham, A. Zirm, M. Kajisawa, T. Ichikawa, N. Seymour, D. Stern, A. Stockton, B.P. Venemans and J. Vernet: Discovery of an Excess of H α Emitters around 4C 23.56 at $z = 2.48$. *Publ. Astron. Soc. Jpn.* 63, 415- (2011).
- Tang, J., F.B. Abdalla and J. Weller: Complementarity of future dark energy probes. *Mon. Not. R. Astron. Soc.* 416, 2212-2232 (2011).
- Tang, M., J.S. Hu, J.G. Li, Y.-F. Li, G. Morfill and N. Ashikawa: Recent researches on dust in EAST and HT-7 tokamaks. *Journal of Nuclear Materials* 415, 1094 (2011).
- Teh, W.-L., B.U.Ö. Sonnerup, G. Paschmann and S.E. Haaland: Local structure of directional discontinuities in the solar wind. *J. Geophys. Res. (Space Phys.)* 116, 4105 (2011).
- Teodorescu, A.M., R.H. Méndez, F. Bernardi, J. Thomas, P. Das and O. Gerhard: Planetary Nebulae in the Elliptical Galaxy NGC 4649 (M 60): Kinematics and Distance Redetermination. *Ap. J.* 736, 65 (2011).
- Tepper-García, T., P. Richter, J. Schaye, C.M. Booth, C. Dalla Vecchia, T. Theuns and R.P.C. Wiersma: Absorption signatures of warm-hot gas at low redshift: O VI. *Mon. Not. R. Astron. Soc.* 413, 190-212 (2011).
- Thomas, J., R.P. Saglia, R. Bender, D. Thomas, K. Gebhardt, J. Magorrian, E.M. Corsini, G. Wegner and S. Seitz: Dynamical masses of early-type galaxies: a comparison to lensing results and implications for the stellar initial mass function and the distribution of dark matter. *Mon. Not. R. Astron. Soc.* 415, 545-562 (2011).
- Thomas, S.A., S.A. Appleby and J. Weller: Modified gravity: the CMB, weak lensing and general parameterisations. *J. of Cosmology and Astroparticle Phys.* 03, 036 (2011).
- Tomczak, A.R., K.-V.H. Tran and A. Saintonge: A Census of Mid-infrared-selected Active Galactic Nuclei in Massive Galaxy Clusters at $0 < z < 1.3$. *Ap. J.* 738, 65 (2011).
- Townsend, L.J., M.J. Coe, R.H.D. Corbet, V.A. McBride, A.B. Hill, A.J. Bird, M.P.E. Schurch, F. Haberl, R. Sturm, D. Pathak, B. van Soelen, E.S. Bartlett, S.P. Drave and A. Udalski: The orbital solution and spectral classification of the high-mass X-ray binary IGR J01054-7253 in the Small Magellanic Cloud. *Mon. Not. R. Astron. Soc.* 410, 1813-1824 (2011).
- Trap, G., A. Goldwurm, K. Dodds-Eden, A. Weiss, R. Terrier, G. Ponti, S. Gillessen, R. Genzel, P. Ferrando, G. Bélangier, Y. Clénet, D. Rouan, P. Predehl, R. Capelli, F. Melia and F. Yusef-Zadeh: Concurrent X-ray, near-infrared, sub-millimeter, and GeV gamma-ray observations of Sagittarius A*. *Astron. Astrophys.* 528, A140 (2011).
- Traulsen, I., K. Reinsch, A.D. Schwobe, V. Burwitz, S. Dreizler, R. Schwarz and F.M. Walter: XMM-Newton observations of the X-ray soft polar QS Telescopii. *Astron. Astrophys.* 529, A116 (2011).
- Tristram, K.R.W. and M. Schartmann: On the size-luminosity relation of AGN dust tori in the mid-infrared. *Astron. Astrophys.* 531 (2011).
- Trotta, R., G. Jóhannesson, I.V. Moskalenko, T.A. Porter, R. Ruiz de Austri and A.W. Strong: Constraints on Cosmic-ray Propagation Models from A Global Bayesian Analysis. *Astron. Astrophys.* 729, 106-121 (2011).
- Trump, J.R., B.J. Weiner, C. Scarlata, D.D. Kocevski, E.F. Bell, E.J. McGrath, D.C. Koo, S.M. Faber, E.S. Laird, M. Mozena, C. Rangel, R. Yan, H. Yesuf, H. Atek, M. Dickinson, J.L. Donley, J.S. Dunlop, H.C. Ferguson, S.L. Finkelstein, N.A. Grogan, N.P. Hathi, S. Juneau, J.S. Kartaltepe, A.M. Koekemoer, K. Nandra, J.A. Newman, S.A. Rodney, A.N. Straughn and H.I. Teplitz: A CANDELS WFC3 Grism Study of Emission-line Galaxies at $z \sim 2$: A Mix of Nuclear Activity and Low-metallicity Star Formation. *Ap. J.* 743, 144 (2011).
- Trümper, J.E.: Observations of neutron stars and the equation of state of matter at high densities. *Progress in Particle and Nuclear Physics* 66, 674-680 (2011).
- Tsytovich, V. and G. Morfill: Dust Self-Organized Struc-

- tures I. Role of Ion Drag and Ion Diffusion on Screened Grains. *Contributions to Plasma Physics* 51, 707-722 (2011).
- Tsyтович, V. and G. Morfill: Dust Self-Organized Structures II. Solutions of Master Equations for Small Diffusion. *Contributions to Plasma Physics* 51, 723-741 (2011).
- Tsyтович, V. and G. Morfill: Dust Self-Organized Structures III. Solutions of Master Equations in Presence of Volume Ionization. *Contributions to Plasma Physics* 51, 830-843 (2011).
- Tyler, K.D., G.H. Rieke, D.J. Wilman, S.L. McGee, R.G. Bower, L. Bai, J.S. Mulchaey, L.C. Parker, Y. Shi and D. Pierini: The Nature of Star Formation at $24 \mu\text{m}$ in the Group Environment at $0.3 < z < 0.55$. *Ap. J.* 738, 56 (2011).
- Tüllmann, R., T.J. Gaetz, P.P. Plucinsky, K.D. Kuntz, B.F. Williams, W. Pietsch, F. Haberl, K.S. Long, W.P. Blair, M. Sasaki, P.F. Winkler, P. Challis, T.G. Pannuti, R.J. Edgar, D.J. Helfand, J.P. Hughes, R.P. Kirshner, T. Mazeh and A. Shporer: The Chandra ACIS Survey of M33 (ChASem33): The Final Source Catalog. *Ap. J. Supp. Ser.* 193, 31 (2011).
- Upadhyaya, N., V. Nosenko, Z.L. Mišković, L.-J. Hou, A.V. Ivlev and G.E. Morfill: A full account of compressional wave in 2D strongly coupled complex (dusty) plasmas: Theory, experiment and numerical simulation. *EPL (Europhysics Letters)* 94, 65001 (2011).
- Urban, O., N. Werner, A. Simionescu, S.W. Allen and H. Böhringer: X-ray spectroscopy of the Virgo Cluster out to the virial radius. *Mon. Not. R. Astron. Soc.* 414, 2101-2111 (2011).
- Usui, F., D. Kuroda, T.G. Müller, S. Hasagawa, M. Ishiguro, T. Ootsubo, D. Ishihara, H. Kataza, S. Takita, S. Oyabu, M. Ueno, H. Matsuhara and T. Onaka: Asteroid Catalog Using Akari: AKARI/IRC Mid-Infrared Asteroid Survey. *Publ. Astron. Soc. Jpn.* 63, 1117-1138 (2011).
- van Daalen, M.P., J. Schaye, C.M. Booth and C. Dalla Vecchia: The effects of galaxy formation on the matter power spectrum: a challenge for precision cosmology. *Mon. Not. R. Astron. Soc.* 415, 3649-3665 (2011).
- van der Wel, A., A.N. Straughn, H.-W. Rix, S.L. Finkelstein, A.M. Koekemoer, B.J. Weiner, S. Wuyts, E.F. Bell, S.M. Faber, J.R. Trump, D.C. Koo, H.C. Ferguson, C. Scarlata, N.P. Hathi, J.S. Dunlop, J.A. Newman, M. Dickinson, K. Jahnke, B.W. Salmon, D.F. de Mello, D.D. Kocevski, K. Lai, N.A. Grogin, S.A. Rodney, Y. Guo, E.J. McGrath, K.-S. Lee, G. Barro, K.-H. Huang, A.G. Riess, M.L.N. Ashby and S.P. Willner: Extreme Emission-line Galaxies in CANDLES: Broadband-selected, Starbursting Dwarf Galaxies at $z > 1$. *Ap. J.* 742, 111 (2011).
- van der Wel, A., H.-W. Rix, S. Wuyts, E.J. McGrath, A.M. Koekemoer, E.F. Bell, B.P. Holden, A.R. Robaina and D.H. McIntosh: The Majority of Compact Massive Galaxies at $z \sim 2$ are Disk Dominated. *Ap. J.* 730, 38 (2011).
- van de Voort, F., J. Schaye, C.M. Booth and C. Dalla Vecchia: The drop in the cosmic star formation rate below redshift 2 is caused by a change in the mode of gas accretion and by active galactic nucleus feedback. *Mon. Not. R. Astron. Soc.* 415, 2782-2789 (2011).
- van de Voort, F., J. Schaye, C.M. Booth, M.R. Haas and C. Dalla Vecchia: The rates and modes of gas accretion on to galaxies and their gaseous haloes. *Mon. Not. R. Astron. Soc.* 414, 2458-2478 (2011).
- van Dishoeck, E.F., L.E. Kristensen, ..., G.J. Herczeg, et al.: Water in Star-forming Regions with the Herschel Space Observatory (WISH). I. Overview of Key Program and First Results. *Publ. Astron. Soc. Pac.* 123, 138-170 (2011).
- van Dishoeck, E.F.: Water in space. *Europhys. News* 42, 26-31 (2011).
- van Dokkum, P.G., G. Brammer, M. Fumagalli, E. Nelson, M. Franx, H.-W. Rix, M. Kriek, R.E. Skelton, S. Patel, K.B. Schmidt, R. Bezanson, F. Bian, E. da Cunha, D.K. Erb, X. Fan, N. Förster Schreiber, G.D. Illingworth, I. Labbé, B. Lundgren, D. Magee, D. Marchesini, P. McCarthy, A. Muzzin, R. Quadri, C.C. Steidel, T. Tal, D. Wake, K.E. Whitaker and A. Williams: First Results from the 3D-HST Survey: The Striking Diversity of Massive Galaxies at $z > 1$. *Ap. J. Lett.* 743, L15 (2011).
- Vasilyak, L.M., V.E. Fortov, G.E. Morfill, A.V. Ivlev, M.Y. Pustynnik, D.N. Polyakov, H.M. Thomas and S.P. Vetchinin: *Contributions to Plasma Physics* 51, 529-532 (2011).
- Vaughan, S., P. Uttley, K.A. Pounds, K. Nandra and T.E. Strohmayer: The rapid X-ray variability of NGC 4051. *Mon. Not. R. Astron. Soc.* 413, 2489-2499 (2011).
- Ventimiglia, G., M. Arnaboldi and O. Gerhard: The unmixed kinematics and origins of diffuse stellar light in the core of the Hydra I cluster (Abell 1060). *Astron. Astrophys.* 528, A24 (2011).
- Vicente, S., B. Merín, M. Hartung, H. Bouy, N. Huélamo, E. Artigau, J.-C. Augereau, E. van Dishoeck, J. Olofsson, I. Oliveira and T. Prusti: Ruling out unresolved binaries in five transitional disks. VLT/NACO deep 2.12 and 1.75 μm narrow-band imaging. *Astron. Astrophys.* 533, A135 (2011).
- Vincent, F.H., T. Paumard, G. Perrin, L. Mugnier, F. Eisenhauer and S. Gillessen: Performance of astrometric detection of a hotspot orbiting on the innermost stable circular orbit of the Galactic Centre black hole. *Mon. Not. R. Astron. Soc.* 412, 2653-2664 (2011).
- Visser, R., S.D. Doty and E.F. van Dishoeck: The chemical history of molecules in circumstellar disks. II. Gas-phase species. *Astron. Astrophys.* 534, A132 (2011).
- Vladimirov, A.E., S.W. Digel, G. Jóhannesson, P.F. Michelson, I.V. Moskalenko, P.L. Nolan, E. Orlando, T.A. Porter and A.W. Strong: GALPROP WebRun: An internet-based service for calculating galactic cosmic ray propagation and associated photon emissions. *Computer Physics Communications* 182, 1156-1161 (2011).
- Vogt, J., S. E. Haaland and G. Paschmann: Accuracy of multi-point boundary crossing time analysis. *Ann. Geophys.* 29, 2239-2252 (2011).
- Vreeswijk, P.M., C. Ledoux, A. Smette, S.L. Ellison, A.O. Jaunsen, M.I. Andersen, A.S. Fruchter, J.P.U. Fynbo, J. Hjorth, A. Kaufer, P. Møller, P. Petitjean, S. Savaglio and

- R.A.M.J. Wijers: Rapid-response mode VLT/UVES spectroscopy of GRB 060418. Conclusive evidence for UV pumping from the time evolution of Fe II and Ni II excited- and metastable-level populations. *Astron. Astrophys.* 532, C3 (2011).
- Walch, S., R. Wünsch, A. Burkert, S. Glover and A. Whitworth: The Turbulent Fragmentation of the Interstellar Medium: The Impact of Metallicity on Global Star Formation. *Ap. J.* 733, 47 (2011).
- Wampfler, S.F., S. Bruderer, L.E. Kristensen, L. Chavarría, E.A. Bergin, A.O. Benz, E.F. van Dishoeck, G.J. Herczeg, F.F.S. van der Tak, J.R. Goicoechea, S.D. Doty and F. Herpin: First hyperfine resolved far-infrared OH spectrum from a star-forming region. *Astron. Astrophys.* 531, L16 (2011).
- Watanabe, E., M. Takizawa, K. Nakazawa, N. Okabe, M. Kawaharada, A. Babul, A. Finoguenov, G.P. Smith and J.E. Taylor: Suzaku X-Ray Follow-Up Observation of Weak-Lensing-Detected Halos in the Field around ZwCl 0823.2+0425. *Publ. Astron. Soc. Jpn.* 63, 357-366 (2011).
- Weinmann, S.M., E. Neistein and A. Dekel: On the puzzling plateau in the specific star formation rate at $z = 2-7$. *Mon. Not. R. Astron. Soc.* 417, 2737-2751 (2011).
- Weisskopf, M.C., A.F. Tennant, D.G. Yakovlev, A. Harding, V.E. Zavlin, S.L. O'Dell, R.F. Elsner and W. Becker: Chandra Phase-resolved X-Ray Spectroscopy of the Crab Pulsar. *Ap. J.* 743, 139 (2011).
- Weisskopf, M.C., R.W. Romani, M. Razzano, A. Belfiore, P. Saz Parkinson, P.S. Ray, M. Kerr, A. Harding, D.A. Swartz, A. Carramiñana, M. Ziegler, W. Becker, A. De Luca, M. Dormody, D.J. Thompson, G. Kanbach, R.F. Elsner, S.L. O'Dell and A.F. Tennant: The Identification of the X-Ray Counterpart to PSR J2021+4026. *Ap. J.* 743, 74 (2011).
- Wik, D.R., C.L. Sarazin, A. Finoguenov, W.H. Baumgartner, R.F. Mushotzky, T. Okajima, J. Tueller and T.E. Clarke: The Lack of Diffuse, Non-thermal Hard X-ray Emission in the Coma Cluster: The Swift Burst Alert Telescope's Eye View. *Ap. J.* 727, 119 (2011).
- Williamson, R., B.A. Benson, F.W. High, ..., J.J. Mohr, et al.: A Sunyaev-Zel'dovich-selected Sample of the Most Massive Galaxy Clusters in the 2500 deg² South Pole Telescope Survey. *Ap. J.* 738, 139 (2011).
- Wilson-Hodge, C.A., M.L. Cherry, G.L. Case, W.H. Baumgartner, E. Beklen, P. Narayana Bhat, M.S. Briggs, A. Camero-Arranz, V. Chaplin, V. Connaughton, M.H. Finger, N. Gehrels, J. Greiner, K. Jahoda, P. Jenke, R.M. Kippen, C. Kouveliotou, H.A. Krimm, E. Kuulkers, N. Lund, C.A. Meegan, L. Natalucci, W.S. Paciesas, R. Preece, J.C. Rodi, N. Shaposhnikov, G.K. Skinner, D. Swartz, A. von Kienlin, R. Diehl and X.-L. Zhang: When a Standard Candle Flickers. *Ap. J. Lett.* 727, L40 (2011).
- Wörner, L., V. Nosenko, A.V. Ivlev, S.K. Zhdanov, H.M. Thomas, G.E. Morfill, M. Kroll, J. Schablinski and D. Block: Effect of rotating electric field on 3D complex (dusty) plasma. *Phys. Plasmas* 18, 063706 (2011).
- Woitke, P., B. Riaz, G. Duchêne, I. Pascucci, A.-R. Lyo, W.R.F. Dent, N. Phillips, W.-F. Thi, F. Ménard, G.J. Herczeg, E. Bergin, A. Brown, A. Mora, I. Kamp, G. Aresu, S. Brittain, I. de Gregorio-Monsalvo and G. Sandell: The unusual protoplanetary disk around the T Tauri star ET Chamaeleontis. *Astron. Astrophys.* 534, A44 (2011).
- Wuyts, S., N.M. Förster Schreiber, A. van der Wel, B. Magnelli, Y. Guo, R. Genzel, D. Lutz, H. Aussel, G. Barro, S. Berta, A. Cava, J. Graciá-Carpio, N.P. Hathi, K.-H. Huang, D.D. Kocevski, A.M. Koekemoer, K.-S. Lee, E. Le Floch, E.J. McGrath, R. Nordon, P. Popesso, F. Pozzi, L. Riguccini, G. Rodighiero, A. Saintonge and L. Tacconi: Galaxy Structure and Mode of Star Formation in the SFR-Mass Plane from $z \sim 2.5$ to $z \sim 0.1$. *Ap. J.* 742, 96 (2011).
- Wuyts, S., N.M. Förster Schreiber, D. Lutz, R. Nordon, S. Berta, B. Altieri, P. Andreani, H. Aussel, A. Bongiovanni, J. Cepa, A. Cimatti, E. Daddi, D. Elbaz, R. Genzel, A.M. Koekemoer, B. Magnelli, R. Maiolino, E.J. McGrath, A. Pérez García, A. Poglitsch, P. Popesso, F. Pozzi, M. Sanchez-Portal, E. Sturm, L. Tacconi and I. Valtchanov: On Star Formation Rates and Star Formation Histories of Galaxies Out to $z \sim 3$. *Ap. J.* 738, 106 (2011).
- Xue, Y.Q., B. Luo, W.N. Brandt, F.E. Bauer, B.D. Lehmer, P.S. Broos, D.P. Schneider, D.M. Alexander, M. Brusa, A. Comastri, A.C. Fabian, R. Gilli, G. Hasinger, A.E. Hornschemeier, A. Koekemoer, T. Liu, V. Mainieri, M. Paolillo, D.A. Rafferty, P. Rosati, O. Shemmer, J.D. Silverman, I. Smail, P. Tozzi and C. Vignali: The Chandra Deep Field-South Survey: 4 Ms Source Catalogs. *Ap. J. Supp. Ser.* 195, 10 (2011).
- Yan, R., L.C. Ho, J.A. Newman, A.L. Coil, C.N.A. Willmer, E.S. Laird, A. Georgakakis, J. Aird, P. Barmby, K. Bundy, M.C. Cooper, M. Davis, S.M. Faber, T. Fang, R.L. Griffith, A.M. Koekemoer, D.C. Koo, K. Nandra, S.Q. Park, V.L. Sarajedini, B.J. Weiner and S.P. Willner: AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei. *Ap. J.* 728, 38 (2011).
- Yaroshenko, V.V., W.J. Miloch, S. Vladimirov, H.M. Thomas and G.E. Morfill: Modeling of Cassini's charging at Saturn orbit insertion flyby. *J. Geophys. Res. (Space Phys.)* 116, 12218 (2011).
- Yoon, C.H., P. Schwander, C. Abergel, I. Andersson, J. Andreasson, A. Aquila, S. Bajt, M. Barthelmess, A. Barty, M.J. Bogan, C. Bostedt, J. Bozek, H.N. Chapman, J.-M. Claverie, N. Coppola, D.P. Deponte, T. Ekeberg, S.W. Epp, B. Erk, H. Fleckenstein, L. Foucar, H. Graafsma, L. Gumprecht, J. Hajdu, C.Y. Hampton, A. Hartmann, E. Hartmann, R. Hartmann, G. Hauser, H. Hirsemann, P. Holl, S. Kassemeyer, N. Kimmel, M. Kiskinova, M. Liang, N.-T. Duane Loh, L. Lomb, F.R.N.C. Maia, A.V. Martin, K. Nass, E. Pedersoli, C. Reich, D. Rolles, B. Rudek, A. Rudenko, I. Schlichting, J. Schulz, M. Seibert, V. Seltzer, R.L. Shoeman, R.G. Sierra, H. Soltau, D. Starodub, J. Steinbrener, G. Stier, L. Strüder, M. Svenda, J. Ullrich, G. Weidenspointner, T.A. White, C. Wunderer and A. Ourmazd: Unsupervised classification of single-particle X-ray diffraction snapshots by spectral clustering. *Optics Express* 19, 16542-16549 (2011).
- Young, L.M., M. Bureau, T.A. Davis, F. Combes, R.M. McDermid, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Cappellari, R.L. Davies, P.T. de Zeeuw, E. Emsellem, S.

- Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra and A.-M. Weijmans: The ATLAS3D project - IV. The molecular gas content of early-type galaxies. *Mon. Not. R. Astron. Soc.* 414, 940-967 (2011).
- Zane, S., F. Haberl, G.L. Israel, A. Pellizzoni, M. Burgay, R.P. Mignani, R. Turolla, A. Possenti, P. Esposito, D. Champion, R.P. Eatough, E. Barr and M. Kramer: Discovery of 59 ms pulsations from 1RXS J141256.0+792204 (Calvera). *Mon. Not. R. Astron. Soc.* 410, 2428-2445 (2011).
- Zenteno, A., J. Song, S. Desai, R. Armstrong, J.J. Mohr, C.-C. Ngeow, W.A. Barkhouse, S.S. Allam, K. Andersson, G. Bazin, B.A. Benson, E. Bertin, M. Brodwin, E.J. Buckley-Geer, S.M. Hansen, F.W. High, H. Lin, Y.-T. Lin, J. Liu, A. Rest, R.C. Smith, B. Stalder, A.A. Stark, D.L. Tucker and Y. Yang: A Multiband Study of the Galaxy Populations of the First Four Sunyaev-Zel'dovich Effect Selected Galaxy Clusters. *Ap. J.* 734, 3 (2011).
- Zhang, J.-C., L.M. Kistler, C.G. Mouikis, B. Klecker, J.-A. Sauvaud and M.W. Dunlop: A statistical study of EMIC wave-associated He⁺ energization in the outer magnetosphere: Cluster/CODIF observations. *J. Geophys. Res. (Space Phys.)* 116, 11201 (2011).
- Zhang, J.-C., L.M. Kistler, C.G. Mouikis, H. Matsui, B. Klecker, I. Dandouras and M.W. Dunlop: Shock-driven variation in ionospheric outflow during the 11 October 2001 moderate storm. *J. Geophys. Res. (Space Phys.)* 116, A00J18 (2011).
- Zhang, Y.-Y., A. Finoguenov, H. Böhringer, J.-P. Kneib, G.P. Smith, R. Kneissl, N. Okabe and H. Dahle: LoCuSS: comparison of observed X-ray and lensing galaxy cluster scaling relations with simulations. *Astron. Astrophys.* 527, C3 (2011).
- Zhang, Y.-Y., H. Andernach, C.A. Caretta, T.H. Reiprich, H. Böhringer, E. Puchwein, D. Sijacki and M. Girardi: HIFLUGCS: Galaxy cluster scaling relations between X-ray luminosity, gas mass, cluster radius, and velocity dispersion. *Astron. Astrophys.* 526, A105 (2011).
- Zhang, Y.-Y., H. Böhringer, A. Finoguenov, Y. Ikebe, K. Matsushita, P. Schuecker, L. Guzzo and C.A. Collins: X-ray properties in massive galaxy clusters: XMM-Newton observations of the REFLEX-DXL sample. *Astron. Astrophys.* 527, C2 (2011).
- Zhdanov, S.K., M.H. Thoma and G.E. Morfill: Spontaneous disordering of a two-dimensional (2D) plasma crystal. *New J. Phys.* 13, 013039 (2011).
- Ziaeepour, H. and B. Gardner: Broad band simulation of Gamma Ray Bursts (GRB) prompt emission in presence of an external magnetic field. *J. of Cosmology and Astroparticle Phys.* 12, 1 (2011).
- Zimmermann, J.L., K. Dumler, T. Shimizu, G.E. Morfill, A. Wolf, V. Boxhammer, J. Schlegel, B. Gansbacher and M. Anton: Effects of cold atmospheric plasmas on adenoviruses in solution. *Journal of Physics D Applied Physics* 44, 5201 (2011).

Referierte Proceedings

- Aina, V., L. Bertinetti, G. Cerrato, M. Cerruti, G. Lusvardi, G. Malavasi, C. Morterra, L. Tacconi and L. Menabue: On the dissolution/reaction of small-grain Bioglass® 45S5 and F-modified bioactive glasses in artificial saliva (AS). *Appl. Surface Sci.* 257, 4185-4195 (2011).
- Benz, A.O., L.E. Kristensen, R. Visser, E.F. van Dishoeck, U.A. Yildiz, G.J. Herczeg, S. Doty, J.K. Jørgensen, T.A. van Kempen, C. Brinch, S. Wampfler and S. Bruderer: WISHes coming true: water in low-mass star-forming regions with Herschel. In Proc. of "5th Zermatt ISM-Symposium Conditions and Impact of Star Formation: New Results with Herschel and Beyond", Zermatt, Switzerland, 2010. (Eds.) M. Röllig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publications Series, European Astronomical Society, 52, 177 (2011).
- Benz, A.O., V. Ossenkopf, M. Röllig, C. Kramer, Y. Okada, A. Fuente, Akyilmaz M. Yabaci, A.O. Benz, O. Berné, F. Boulanger, S. Bruderer, C. Dedes, K. France, M. Gerin, J.R. Goicoechea, A. Gusdorf, R. Güsten, A. Harris, C. Joblin, T. Klein, W. Latter, Le F. Petit, S. Lord, P.G. Martin, P. Pilleri, J. Martin-Pintado, B. Mookerjee, D.A. Neufeld, T. Phillips, R. Rizzo, R. Simon, J. Stutzki, F.F.S. van der Tak, D. Teyssier and H. Yorke: The WADI key project: New insights to photon-dominated regions from Herschel observations. In Proc. of "5th Zermatt ISM-Symposium Conditions and Impact of Star Formation: New Results with Herschel and Beyond", Zermatt, Switzerland, 2010. (Eds.) M. Röllig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publications Series, European Astronomical Society, 52, 181 (2011).
- Benz, A.O., S. Bruderer, E.F. van Dishoeck, P. Stäuber, S.F. Wampfler and C. Dedes: Tracing FUV Radiation in the Embedded Phase of Star Formation. In Proc. of "5th Zermatt ISM-Symposium Conditions and Impact of Star Formation: New Results with Herschel and Beyond", Zermatt, Switzerland, 2010. (Eds.) M. Röllig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publications Series, European Astronomical Society, 52, 239 (2011).
- Bernhardt, M.G., T. Prinz, W. Becker and U. Walter: Timing X-ray Pulsars with Application to Spacecraft Navigation. In Proc. of "High Time Resolution Astrophysics IV - The Era of Extremely Large Telescopes", Agios Nikolaos, Crete, Greece, 2010. Proceedings of Science, published online (2011).
- Brusa, M., R. Gilli, F. Civano, A. Comastri, R. Fiore and C. Vignali: Identification of (high-redshift) AGN with WFXT: lessons from COSMOS and CDFS. *Mem. Soc. Astron. Ital. Suppl.* 17, 106 (2011).
- Burggraf, B., K. Weis, D.-J. Bomans and M. Henze: Var C: (Semi-)Periodic Long-Term Variability. In Proc. of "39th Liège Astrophysical Colloquium", Liège, Belgium, 2010. (Eds.) G. Rauw, M. De Becker, Y. Nazé, J.-M. Vreux, P. Williams. *Bulletin de la Société Royale des Sciences de*

- Liège Vol. 80, Société Royale des Sciences de Liège, Liège, Belgium, 356-360 (2011).
- Cappelluti, N., P. Predehl, H. Böhringer, H. Brunner, M. Brusa, V. Burwitz, E. Churazov, K. Dennerl, A. Finoguenov, M. Freyberg, P. Friedrich, G. Hasinger, E. Kenziorra, I. Kreykenbohm, G. Lamer, N. Meidinger, M. Mühlegger, M. Pavlinsky, J. Robrade, A. Santangelo, J. Schmitt, A. Schwobe, M. Steinmitz, L. Strüder, R. Sunyaev and C. Tenzer: eROSITA on SRG. A X-ray all-sky survey mission. *Mem. Soc. Astron. Ital. Suppl.* 17, 159 (2011).
- Casasola, V., S. García-Burillo, F. Combes, L.K. Hunt, M. Krips, E. Schinnerer, A.J. Baker, F. Boone, A. Eckart, S. Léon, R. Neri and L.J. Tacconi: New views on bar pattern speeds from the NUGA survey. *Mem. Soc. Astron. Ital. Suppl.* 18, 43 (2011).
- Comastri, A., P. Ranalli, R. Gilli, C. Vignali, M. Brusa and F. Civano: The high-redshift Universe with the International X-ray Observatory. *Mem. Soc. Astron. Ital. Suppl.* 17, 165 (2011).
- Dobbs, C.L.: Pattern speeds in interacting galaxies. *Mem. Soc. Astron. Ital. Suppl.* 18, 109 (2011).
- Erwin, P.: Double-barred galaxies. *Mem. Soc. Astron. Ital. Suppl.* 18, 145 (2011).
- Fink, M.A., M.H. Thoma and G.E. Morfill: PK-4 Science Activities in Micro-gravity. In Proc. of "ELGRA Symposium: In the Footsteps of Columbus", Bonn, Germany, 2009. *Microgravity, Science AND Technology*, Vol. 23, Num. 2, 169-171 (2011).
- Frommert, M., I. Sidorenko, J. Bauer, D. Müller, E. Rummeny, F. Eckstein, R. Monetti and C. Räh: Amplitude remapping as a step towards standardizing the analysis of MR-images. In Proc. of "Medical Imaging 2011: Image processing", Lake Buena Vista, USA, 2011. (Eds.) B.M. Dawant, D.R. Haynor. *SPIE Conference Proceedings 7962E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 79621J-79621J-13 (2011).
- Gerhard, O.: Pattern speeds in the Milky Way. *Mem. Soc. Astron. Ital. Suppl.* 18, 185 (2011).
- Gilli, R., P. Tozzi, P. Rosati, M. Paolillo, S. Borgani, M. Brusa, A. Comastri, E. Lusso, F. Marulli and C. Vignali: Demography of obscured and unobscured AGN: prospects for a Wide Field X-ray Telescope. *Mem. Soc. Astron. Ital. Suppl.* 17, 85 (2011).
- Hurley, K., A. Rau, A. von Kienlin and X.-L. Zhang: 8 Years of Bursts with the SPI-ACS. In Proc. of "8th INTEGRAL Workshop: The Restless Gamma-ray Universe", Dublin, Ireland, 2010. *Proceedings of Science*, published online (2010).
- Monetti, R.A., J. Bauer, I. Sidorenko, D. Müller, E. Rummeny, M. Matsuura, F. Eckstein, E.-M. Lochmueller, P. Zysset and C. Räh: Structure based classification of μ -CT images of human trabecular bone using local Minkowski Functionals. In Proc. of "Medical Imaging 2011: Biomedical Applications in Molecular, Structural, and Functional Imaging", Lake Buena Vista, USA, 2011. (Eds.) J.B. Weaver, R.C. Molthen. *SPIE Conference Proceedings 7965E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 79650K-79650K-9 (2011).
- Wilson-Hodge, C., M.L. Cherry, G.L. Case, W. Baumgartner, E. Beklen, P.N. Bhat, M.S. Briggs, A. Camero-Arranz, V. Chaplin, V. Connaughton, M.H. Finger, N. Gehrels, J. Greiner, K. Jahoda, P. Jenke, R.M. Kippen, C. Kouveliotou, H.A. Krimm, E. Kuulkers, N. Lund, C.A. Meegan, L. Natalucci, W.S. Paciesas, R. Preece, J.C. Rodi, N. Shaposhnikov, G.K. Skinner, D. Swartz, A. von Kienlin, R. Diehl and X. L. Zhang: When a Standard Candle Flickers. In Proc. of "8th INTEGRAL Workshop: The Restless Gamma-ray Universe", Dublin, Ireland, 2010. *Proceedings of Science*, published online (2010).
- Zhang, X.L., A. Rau, A. von Kienlin and K. Hurley: SPI-ACS timing: cross-check of onboard clocks. In Proc. of "8th INTEGRAL Workshop: The Restless Gamma-ray Universe", Dublin, Ireland, 2010. *Proceedings of Science*, published online (2010).

Instrumentelle Publikationen

- Basso, S., G. Pareschi, O. Citterio, D. Spiga, G. Tagliarferri, L. Raimondi, G. Sironi, V. Cotroneo, B. Salmaso, B. Negri, P. Attinà, G. Borghi, A. Orlandi, D. Vernani, G. Valsecchi, R. Binda, F. Marioni, S. Moretti, M. Castelnovo, W. Burkert, M.J. Freyberg and V. Burwitz: The optics system of the New Hard X-ray Mission: status report. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. *SPIE Conference Proceedings 8147E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 814709-814709-12 (2011).
- Bavdaz, M., N. Rando, E. Wille, K. Wallace, B. Shortt, M. Collon, C. van Baren, G. Pareschi, F. Christensen, M. Krumrey and M. Freyberg: ESA-led ATHENA/IXO optics development status. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. *SPIE Conference Proceedings 8147E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81470C-81470C-8 (2011).
- Boesz, A., F. Grupp, A. Mottaghibonab, T. Zeh, N. Geis and R. Bender: Analytic results for high-precision and cryogenic lens holders. In Proc. of "Optomechanics 2011: Innovations and Solutions", San Diego, USA, 2011. (Eds.) A.E. Hatheway. *SPIE Conference Proceedings 8125E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81250G-81250G-12 (2011).
- Boesz, A., F. Grupp, T. Leberle, A. Mottaghibonab, N. Geis and R. Bender: Verification program for a high-precision large cryogenic lens holder. In Proc. of "Optical Manufacturing and Testing IX", San Diego, USA, 2011. (Eds.) J.H. Burge, O.W. Föhnle, R. Williamson. *SPIE Conference Proceedings 8125E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81250G-81250G-12 (2011).

- Proceedings 8126E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81261C-81261C-12 (2011).
- Burwitz, V., P. Friedrich, H. Bräuninger, B. Budau, W. Burkert, J. Eder, M. Freyberg, G. Hartner, E. Pfeiffermann, P. Predehl, L. Arcangeli, G. Borghi, A. Borroni, O. Citterio, I. Ferrario, G. Grisoni, F. Marioni, A. Ritucci, M. Rossi, G. Valsecchi and D. Vernani: Development and testing of the eROSITA mirror modules. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. SPIE Conference Proceedings 8147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 814708-814708-6 (2011).
- Collon, M.J., R. Günther, M. Ackermann, R. Partapsing, G. Vacanti, M.W. Beijersbergen, M. Bavdaz, K. Wallace, E. Wille, M. Olde Riekerink, J. Haneveld, A. Koelewijn, C. van Baren, P. Müller, M. Krumrey, M. Freyberg, A.C. Jakobsen and F. Christensen: Design, fabrication, and characterization of silicon pore optics for ATHENA/IXO. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. SPIE Conference Proceedings 8147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81470D-81470D-10 (2011).
- Facchinetti, S., L. Bombelli, C. Fiorini, M. Porro, G. de Vita and F. Erdinger: Characterization of the Flip Capacitor Filter for the XFEL-DSSC Project. IEEE Transactions on Nuclear Science 58, 2032-2038 (2011).
- Fuchs, U., F. Grupp, S. Kiontke and R. Bender: Measured aspheric surface irregularities as input to the Euclid-NISP tolerancing. In Proc. of "UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts V", San Diego, USA, 2011. (Eds.) H.A. MacEwen, J.B. Breckinridge. SPIE Conference Proceedings 8146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 814610-814610-6 (2011).
- Grupp, F., A. Brucalassi, F. Lang, S.M. Hu, R. Holzwarth, T. Udem, U. Hopp and R. Bender: Pressure and temperature stabilization of an existing chelle spectrograph II. In Proc. of "Techniques and Instrumentation for Detection of Exoplanets V", San Diego, USA, 2011. (Eds.) S. Shaklan. SPIE Conference Proceedings 8151E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 815119-815119-9 (2011).
- Grupp, F., E. Prieto, P. Spano, F.M. Zerbi, N. Geis, A. Bode, V. Junk and R. Bender: The Euclid-NISP instrument optics and tolerancing approach. In Proc. of "UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts V", San Diego, USA, 2011. (Eds.) H.A. MacEwen, J.B. Breckinridge. SPIE Conference Proceedings 8146E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81460R-81460R-12 (2011).
- Guenster, S., D. Ristau and R. Davies: Band-pass and OH-suppression filters for the E-ELT: design and prototyping. In Proc. of "Advances in Optical Thin Films IV", Marseille, France, 2011. (Eds.) M. Lequime, H.A. Macleod, D. Ristau. SPIE Conf. Proc. 8168, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 8168iY (2011).
- Hart, M., S. Rabien, L. Busoni, L. Barl, U. Beckmann, M. Bonaglia, Y. Boose, J.L. Borelli, T. Bluemchen, L. Carbonaro, C. Connot, M. Deysenroth, R. Davies, O. Durney, M. Elberich, T. Ertl, S. Esposito, W. Gaessler, V. Gasho, H. Gemperlein, P. Hubbard, S. Kanneganti, M. Kulas, K. Newman, J. Noenickx, G. Orban de Xivry, D. Peter, A. Quirrenbach, M. Rademacher, C. Schwab, J. Storm, V. Vaitheeswaran, G. Weigelt and J. Ziegler: Status report on the Large Binocular Telescope's ARGOS ground-layer AO system. In Proc. of "Astronomical Adaptive Optics Systems and Applications IV", San Diego, USA, 2009. (Eds.) R.K. Tyson, M. Hart. SPIE Conference Proceedings 8149E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81490J-81490J-11 (2011).
- Hartmann, R., S. Epp, H. Gorke, A. Hartmann, G. Hauser, S. Herrmann, P. Holl, N. Kimmel, N. Meidinger, C. Reich, D. Rolles, H. Soltau, L. Strüder, J. Ullrich and G. Weidenspointner: Large format imaging detectors for x-ray free-electron-lasers. In Proc. of "Advances in X-ray Free-Electron Lasers: Radiation Schemes, X-ray Optics, and Instrumentation", Prague, Czech, 2011. (Eds.) T. Tschent-scher, D. Cocco. SPIE Conference Proceedings 8078E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 80780W-80780W-9 (2011).
- Kimmel, N., R. Andritschke, L. Englert, S. Epp, A. Hartmann, R. Hartmann, G. Hauser, P. Holl, I. Ordavo, R. Richter, L. Strüder and J. Ullrich: Calibration methods and performance evaluation for pnCCDs in experiments with FEL radiation. In Proc. of "Advances in X-ray Free-Electron Lasers: Radiation Schemes, X-ray Optics, and Instrumentation", Prague, Czech, 2011. (Eds.) T. Tschent-scher, D. Cocco. SPIE Conference Proceedings 8078E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 80780V-80780V-11 (2011).
- Liebel, A., H. Soltau, R. Eckhardt, O. Jaritschin, A. Niculae and F. Schopper: Solid State Backscattered Electron Detector Optimized for Minimum Detectable Energy and Maximum Scan Speed. Microscopy and Microanalysis 17, 904-905 (2011).
- Martin, A.V., J. Andreasson, A. Aquila, ..., P. Holl, ..., N. Kimmel, ..., ..., L. Strüder, ..., G. Weidenspointner, et al.: Single particle imaging with soft x-rays at the Linac Coherent Light Source. In Proc. of "Advances in X-ray Free-Electron Lasers: Radiation Schemes, X-ray Optics, and Instrumentation", Prague, Czech, 2011. (Eds.) T. Tschent-scher, D. Cocco. SPIE Conference Proceedings 8078E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 807809-807809-9 (2011).
- Meidinger, N., R. Andritschke, J. Elbs, S. Granato, O. Hälker, G. Hartner, S. Herrmann, D. Miessner, D. Pietschner, P. Predehl, J. Reiffers, T. Rommerskirchen, G. Schmalzer, L. Strüder and L. Tiedemann: Status of the CCD camera for the eROSITA space telescope. In Proc. of "UV, X-Ray, and Gamma-Ray Space Instrumentation for Astronomy XVII", San Diego, USA, 2011. (Eds.) O.H. Siegmund. SPIE Conference Proceedings 8145E, SPIE - The International Society for Optical Engineering, Bellingham, WA

USA, 814502-814502-12 (2011).

Meuris, A., F. Aschauer, G. de Vita, B. Guenther, S. Herrmann, T. Lauf, P. Lechner, G. Lutz, P. Majewski, D. Miessner, M. Porro, J. Reiffers, A. Stefanescu, F. Schopper, H. Soltau, L. Strüder and J. Treis: Development and Characterization of New 256x256 Pixel DEPFET Detectors for X-Ray Astronomy. *IEEE Transactions on Nuclear Science* 58, 1206-1211 (2011).

Niculae, A., L. Andricek, M. Bornschlegl, R. Eckhardt, J. Herrmann, O. Jartischin, S. Jeschke, P. Lechner, L. Mungenast, B. Schweinfest, H. Soltau and L. Strüder: New Results with High Quantum Efficiency Silicon Drift Detectors. *Microscopy and Microanalysis* 17, 1204-1205 (2011).

Niculae, A., M. Bornschlegl, R. Eckhardt, J. Herrmann, O. Jartischin, P. Lechner, A. Liebel, H. Soltau, G. Schaller, F. Schopper and L. Strüder: New Design and Measurements with 60 mm² Rococo2 SDD Detectors. *Microscopy and Microanalysis* 17, 1206-1207 (2011).

Predehl, P., R. Andritschke, W. Becker, H. Böhringer, W. Bornemann, H. Bräuninger, H. Brunner, M. Brusa, W. Burkert, V. Burwitz, E. Churazov, K. Dennerl, J. Eder, J. Elbs, M. Freyberg, P. Friedrich, M. Fürmetz, R. Gaida, F. Guglielmetti, O. Hälker, G. Hartner, F. Haberl, S. Herrmann, H. Huber, E. Kendziorra, A. von Kienlin, W. Kink, I. Kreykenbohm, G. Lamer, I. Lapchov, N. Meidinger, A. Merloni, B. Mican, J. Mohr, M. Mühlegger, S. Müller, K. Nandra, M. Pavlinsky, E. Pfeffermann, T. Reiprich, J. Robrade, C. Rohé, A. Santangelo, M. Sasaki, G. Schächner, C. Schmid, J. Schmitt, R. Schreib, F. Schrey, A. Schwöpe, M. Steinmetz, L. Strüder, R. Sunyaev, C. Tenzer, L. Tiedemann, M. Vongehr and J. Wilms: eROSITA. In Proc. of "UV, X-Ray, and Gamma-Ray Space Instrumentation for Astronomy XVII", San Diego, USA, 2011. (Eds.) O.H. Siegmund. *SPIE Conference Proceedings* 8145E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81450D-81450D-10 (2011).

Soltau, H., R. Hartmann, A. Hartmann, P. Holl, S. Ihle, C. Thamm, A. Liebel, I. Ordavo, G. Schaller, F. Schopper and L. Strüder: Full Field X-Ray Imaging - Microanalysis between Table Top and Free Electron Laser Experiments. *Microscopy and Microanalysis* 17, 910-911 (2011).

Treis, J., K. Heinzinger, K. Hermenau, S. Herrmann, T. Lauf, P. Lechner, G. Lutz, P. Majewski, M. Porro, R. Richter, G. Schaller, F. Schopper, H. Soltau, L. Strüder and G. de Vita: Progress on the Development of DEPFET Based SDD and MPD Detectors. *Microscopy and Microanalysis* 17, 1202-1203 (2011).

Vacanti, G., M. Ackermann, C. van Baren, M.W. Beijersbergen, M.J. Collon, M. Freyberg, R. Günther, J. Hanefeld, A. Koelewijn, E. Maddox, M. Olde Riekerink and R. Partapsing: Silicon pore optics for astrophysical missions. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. *SPIE Conference Proceedings* 8147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 81470F-81470F-13 (2011).

Vernani, D., G. Borghi, G. Calegari, M. Castelnuovo, O. Citterio, I. Ferrario, G. Grisoni, S. Moretti, G. Valsecchi, H. Bräuninger, V. Burwitz, J. Eder, P. Friedrich and P. Predehl: Performance of a mirror shell replicated from a new flight quality mandrel for eROSITA mission. In Proc. of "Optics for EUV, X-Ray, and Gamma-Ray Astronomy V", San Diego, USA, 2011. (Eds.) S.L. O'Dell, G. Pareschi. *SPIE Conference Proceedings* 8147E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 814707-814707-9 (2011).

Weidenspointner, G., S. Epp, A. Hartmann, R. Hartmann, G. Hauser, P. Holl, N. Kimmel, D. Rolles, L. Strüder and J. Ullrich: Practical experience from operating the imaging pnCCD instrument of the CAMP chamber at LCLS. In Proc. of "Advances in X-ray Free-Electron Lasers: Radiation Schemes, X-ray Optics, and Instrumentation", Prague, Czech, 2011. (Eds.) T. Tschentscher, D. Cocco. *SPIE Conference Proceedings* 8078E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 80780U-80780U-9 (2011).

Nicht-referierte Publikationen

Antonova, T., S.A. Khrapak, C.-R. Du, B. Steffes, H.M. Thomas and G.E. Morfill: The charging of dust particles in the range of very high discharge frequencies. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. *AIP Conf. Proc.* 1397, American Institute of Physics, Melville, NY USA, 433-434 (2011).

Apfelbaum, E., B. Klumov, A. Khrapak, V. Fortov and G. Morfill: On Possibility of Determination of Interparticle Interaction Potential in Complex Plasma on the Basis of Pair Correlation Function. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. *AIP Conf. Proc.* 1397, American Institute of

Physics, Melville, NY USA, 313-314 (2011).

Baes, M., M. Clemens, E.M. Xilouris, J. Fritz, W.D. Cotton, J.I. Davies, G.J. Bendo, S. Bianchi, L. Cortese, I. De Looze, M. Pohlen, J. Verstappen, H. Böhringer, D.J. Bomans, A. Boselli, E. Corbelli, A. Dariush, S. di Serego Alighieri, D. Fadda, D.A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T.M. Hughes, L.K. Hunt, A.P. Jones, S. Madden, D. Pierini, S. Sabatini, M.W.L. Smith, C. Vlahakis and S. Zibetti: The far-infrared view of M87 as seen by the Herschel Space Observatory. In Proc. of "275th IAU Symposium", Buenos Aires, Argentina, 2010. (Eds.) G.E. Romero, R. Sunyaev, T. Belloni. *Proc. IAU 275*, Cambridge University Press, Cambridge, UK, 145-149 (2011).

Bandyopadhyay, P., U. Konopka, K. Jiang and G. Morfill: Magnetic Field Induced Shear Flow in a Strongly Coupled

- Complex Plasma. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 389-390 (2011).
- Barcons, X., D. Barret, J. Bookbinder, J. Bregman, T. Dotani, K. Flanagan, R. Fraga-Encinas, J. Grady, H. Kunieda, D.H. Lumb, K. Mitsuda, K. Nandra, T. Ohashi, L. Piro, N. Rando, L. Strüder, T. Takahashi, T. Tsuru and N.E. White: International X-ray Observatory (IXO) Assessment Study Report for the ESA Cosmic Vision 2015-2025. eprint arXiv: 1102.2845, (2011).
- Bartko, H., F. Martins, S. Trippe, T.K. Fritz, R. Genzel, T. Ott, F. Eisenhauer, S. Gillessen, T. Paumard, T. Alexander, K. Dodds-Eden, O. Gerhard, Y. Levin, L. Mascetti, S. Nayakshin, H.B. Perets, G. Perrin, O. Pfuhl, M.J. Reid, D. Rouan, M. Zilka and A. Sternberg: Massive Young Stars in the Galactic Center. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 100 (2011).
- Beisker, W., M. Assafin, F. Braga-Ribas, T. Widemann, B. Sicardy, K.-L. Bath, H.-J. Bode, A. Tegtmeier, C. Schnabel, R. Casas, J. Lecacheux, F. Colas, S. Kowollik, E. Bredner, C.P. Heidmann, B. Gaehrken, M. Dähne, H. Denzau, M. Mommert, E. Guenther, B. Stecklum, M. Rengel, M. Mugrauer, E. Vilenius, D. Herald, O. Farago, A. Eberle, H. Rutten, R. Behrend and S. Mottola: Observations of Stellar Occultations by Dwarf Planets and TNOs - International Campaigns. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1244 (2011).
- Bernhardt, M.G., W. Becker, T. Prinz, F.M. Breithuth and U. Walter: Autonomous Spacecraft Navigation Based on Pulsar Timing Information. In Proc. of "2nd International Conference on Space Technology", Athens, Greece, 2011. (Eds.) M. Petrou, M. Gargalakos, N. Uzunoglu. IEEE Conference Proceedings, published online, 1-4 (2011).
- Berta, S., B. Magnelli, R. Nordon, D. Lutz and Pep Team: Herschel/PEP Dissects the Cosmic Infrared Background. In Proc. of "Galaxy Evolution: Infrared to Millimeter Wavelength Perspective", Guilin, China, 2010. (Eds.) W. Wang, Z. Yang, J. Lu, Z. Chen, Z. Luo. ASP Conf. Ser. 446, Astronomical Society of the Pacific, San Francisco, CA USA, 309 (2011).
- Bhat, P.N., E. Bissaldi, M.S. Briggs, M.J. Burgess, V. Chaplin, V. Connaughton, R. Diehi, G.J. Fishman, G. Fitzpatrick, S. Foley, M. Gibby, M. Giles, A. Goldstein, J. Greiner, D. Gruber, S. Guiriec, R.M. Kippen, C. Kouveliotou, S. McBreen, C.A. Meegan, W.S. Paciesas, R.D. Preece, A. Rau, D. Tierney, A. von Kienlin, A. van der Horst and C.A. Wilson-Hodge: GBM Long and Short GRB Lightcurve Decomposition Analysis. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 9-12 (2011).
- Bureau, M., T.A. Davis, K. Alatalo, A.F. Crocker, L. Blitz, L.M. Young, F. Combes, M. Bois, F. Bournaud, M. Cappellari, R.L. Davies, P.T. de Zeeuw, P.-A. Duc, E. Emsellem, S. Khochfar, D. Krajnović, H. Kuntschner, P.-Y. Lablanche, R.M. McDermid, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra and A. Weijmans: Molecular Gas and Star Formation in Local Early-type Galaxies. In Proc. of "277th IAU Symposium", Ouagadougou, Burkina Faso, 2010. (Eds.) C. Carignan, K.C. Freeman, F. Combes. Proc. IAU 277, Cambridge University Press, Cambridge, UK, 55-58 (2011).
- Böhringer, H.: Testing Cosmological Models with the Properties of the Galaxy Cluster Population. In Proc. of "25th Texas Symposium on Relativistic Astrophysics (Texas 2010)", Heidelberg, Germany, 2010. (Eds.) F.A. Aharonian, W. Hofmann, F. Rieger. AIP Conf. Proc. 1381, American Institute of Physics, Melville, NY USA, 137-149 (2011).
- Cargnelli, M., M. Bazzi, G. Beer, L. Bombelli, A.M. Bragadireanu, C. Curceanu, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, R. Hayano, M. Iliescu, T. Ishiwatari, M. Iwasaki, P. Kienle, P. Lechner, P.L. Sandri, A. Longoni, V. Lucherini, J. Marton, S. Okada, D. Pietreanu, T. Ponta, A.R. Vidal, A. Scordo, H.-X. Shi, D.L. Sirghi, F. Sirghi, H. Soltau, L. Strüder, H. Tatsuono, O.V. Doce, E. Widmann and J. Zmeskal: Precision spectroscopy of light kaonic atom X-rays in the SIDDHARTA experiment. In Proc. of "12th International Conference", on Meson-Nucleon Physics and the Structure of the Nucleon. (Eds.) D. Armstrong, V. Burkert, J.-P. Chen, W. Detmold, J. Dudek, W. Melnitchouk, D. Richards. AIP Conf. Proc. 1374, American Institute of Physics, Melville, NY USA, 212-215 (2011).
- Cavalié, T., H. Feuchtgruber, E. Lellouch, P. Hartogh, R. Moreno, C. Jarchow, F. Billebaud, G. Orton and H. Saganawa: The horizontal distribution of water in the stratospheres of Jupiter and Saturn with Herschel/PACS. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 878 (2011).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Experimental determination of particle charge in highly collisional plasma. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 263-264 (2011).
- Chaudhuri, M., U. Konopka, E. Thomas, H.M. Thomas, C. Knapek, A.V. Ivlev, G.E. Morfill, A.M. Lipaev, V.I. Molotkov, O.F. Petrov and V.E. Fortov: Experimental analysis of surface wave in complex plasmas under microgravity condition. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 265-266 (2011).
- Clarke, T.E., T. Enßlin, A. Finoguenov, H. Intema, C. Pfrommer, R. van Weeren, H. Röttgering and R. Onk: The curious case of Abell 2256. Mem. Soc. Astron. Ital. 82, 547 (2011).
- Couédel, L., A.V. Ivlev, S. Zhdanov, V. Nosenko, H.M.

- Thomas and G.E. Morfill: Mode coupling due to ion wakes in 2D complex plasma crystals. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 38-43 (2011).
- de Jong, J.A., R. Huygen, J. Bakker, E. Wieprecht, R. Vavrek, M. Wetzstein, J. Schreiber, E. Sturm and S. Ott: Recording the History of Herschel Data Processing in the Data Products. In Proc. of "Astronomical Data Analysis Software and Systems (ADASS XX)", Boston, MA, USA, 2010. (Eds.) I.N. Evans. ASP Conf. Ser. 442, Astronomical Society of the Pacific, San Francisco, CA USA, 371 (2011).
- Dobbs, C.: Gas dynamics in whole galaxies: SPH. In Proc. of "270th IAU Symposium", Barcelona, Spain, 2010. (Eds.) J. Alves, B. Elmegren, V. Trimble. Proc. IAU 270, Cambridge University Press, Cambridge, UK, 459-466 (2011).
- Dobbs, C.L.: Spiral Structure and Star Formation. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 87-93 (2011).
- Dodds-Eden, K., D. Porquet, G. Trap, E. Quataert, S. Gillessen, N. Grosso, R. Genzel, A. Goldwurm, F. Yusef-Zadeh, S. Trippe, H. Bartko, F. Eisenhauer, T. Ott, T. Fritz and O. Pfuhl.: Flares from Sgr A* and their Emission Mechanism. In Proc. of "The Galactic Center: a Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. Astronomical Society of the Pacific Conference Series Vol. 439, Astronomical Society of the Pacific, San Francisco, 309-312 (2011).
- Dresing, N., R. Gómez-Herrero, Y.Y. Kartavykh, W. Dröge, A. Klassen, B. Heber and B. Klecker: Multi-spacecraft observations during a series of three solar energetic particle events in May, 2009. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 115-118 (2011).
- Dröge, W., R. Gómez-Herrero, Y.Y. Kartavykh, A. Klassen, N. Dresing, B. Klecker, B. Heber, L. Sun and R. Müller-Mellin: Multi-spacecraft observations of solar energetic electron events during the rising phase of solar cycle 24. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 86-89 (2011).
- Du, C.-R., K. Jiang, K.R. Sütterlin, A.V. Ivlev and G.E. Morfill: Demixing-stimulated lane formation in binary complex plasma. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 311-312 (2011).
- Duc, P.-A., J.-C. Cuillandre, K. Alatalo, L. Blitz, M. Bois, F. Bournaud, M. Bureau, M. Cappellari, P. Côté, R.L. Davies, T.A. Davis, P.T. de Zeeuw, E. Emsellem, L. Ferrarese, E. Ferriere, S. Gwyn, S. Khochfar, D. Krajnovic, H. Kuntschner, P.-Y. Lablanche, L. MacArthur, R.M. McDermid, L. Michel-Dansac, R. Morganti, T. Naab, T. Oosterloo, M. Sarzi, N. Scott, P. Serra, A. Weijmans and L.M. Young: Investigating the Merger Origin of Early-type Galaxies using Ultra-deep Optical Images. In Proc. of "277th IAU Symposium", Ouagadougou, Burkina Faso, 2010. (Eds.) C. Carignan, K.C. Freeman, F. Combes. Proc. IAU 277, Cambridge University Press, Cambridge, UK, 238-241 (2011).
- Facchinetti, S., L. Bombelli, A. Castoldi, C. Fiorini, C. Guazzoni, D. Mezza, M. Porro, G. De Vita and F. Erdinger: Fast, Low-Noise, Low-Power Electronics for the Analog Readout of Non-Linear DEPFET Pixels. In Proc. of "IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Ed.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically (2011).
- Foley, S., P.N. Bhat, D. Gruber, S. McBreen, D. Tierney and J. Greiner: Energy-dependent Spectral Lags of short GRBs detected by Fermi-GBM. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 183-186 (2011).
- Fornasier, S., T. Lim, T. Müller, P. Panuzzo, P. Santos-Sanz, E. Vilenius, H. Boenhardt, J. Stansberry, A. Delsanti, F. Henry, C. Kiss, A. Pal, R. Duffard, A. Barucci and E. Dotto: Sub-millimeter observations of Centaurs and TNOs from the Herschel space telescope. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 712 (2011).
- Gillessen, S., F. Eisenhauer, H. Bartko, K. Dodds-Eden, T.K. Fritz, O. Pfuhl, T. Ott and R. Genzel: The Power of Monitoring Stellar Orbits. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 157 (2011).
- Goicoechea, J.R., C. Joblin, A. Contursi, O. Berne, J. Cernicharo, M. Gerin, J. Le Burlot, E.A. Bergin and T.A. Bell: Herschel/PACS detection of far-IR OH emission towards the Orion Bar PDR. In Proc. of "280th IAU Symposium", Toledo, Spain, 2011. (Eds.) J. Cernicharo, R. Bachiller. Proc. IAU 280, Cambridge University Press, Cambridge, UK, 70, (2011).
- Gómez-Herrero, R., Y.Y. Kartavykh, W. Dröge, A. Klassen, N. Dresing, B. Klecker, B. Heber, O. Malandraki, R. Müller-Mellin, and the SEPT Team: The August 18, 2010 solar energetic particle event - Multipoint observations and propagation Modeling. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 202-205 (2011).
- Granato, S., R. Andritschke, J. Elbs, N. Meidinger, L. Strüder, G. Weidenspointner, M. Krumrey and F. Scholze: The spectral redistribution function of eROSITA PNCCDs. In Proc. of "Proceedings of the IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically, 122-128 (2011).
- Greiner, J., T. Krühler, S. Klose, P. Afonso, C. Clemens, R. Filgas, D.H. Hartmann, A.K. Yoldaş, M. Nardini, F. Olivares E., A. Rau, A. Rossi, P. Schady and A. Updike: The nature of dark gamma-ray bursts. In Proc. of "Gamma

- Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 121-124 (2011).
- Griffin, M.J., F.P. Helmich, G.L. Pilbratt and A. Poglitsch: Investigating Galaxy Evolution with FIR Observatories: Herschel and Beyond. In Proc. of "Galaxy Evolution: Infrared to Millimeter Wavelength Perspective", Guilin, China, 2010. (Eds.) W. Wang, Z. Yang, J. Lu, Z. Chen, Z. Luo. ASP Conf. Ser. 446, Astronomical Society of the Pacific, San Francisco, CA USA, 23 (2011).
- Gritschneder, M., A. Burkert, T. Naab and S. Walch: Pillars, Jets and Dynamical Features. In Proc. of "270th IAU Symposium", Barcelona, Spain, 2010. (Eds.) J. Alves, B. Elmegren, V. Trimble. Proc. IAU 270, Cambridge University Press, Cambridge, UK, 319-322 (2011).
- Gruber, D., F. Olivares E., A. Rau, A. von Kienlin and J. Greiner: Rest-frame statistics of 32 GBM-GRBs. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 25-28 (2011).
- Gruber, D., T. Krühler, S. Foley, M. Nardini and D. Burlon: Fermi/GBM observations of the ultra-long GRB 091024. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 29-32 (2011).
- Grupe, D., S. Komossa, K. Leighly and L. Gallo: WPVS 007 and Mkn 335: the link between NLS1s and BAL QSOs. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).
- Guglielmetti, F.G., H.B. Böhringer, R.F. Fischer, P.R. Rosati and P.T. Tozzi: Applying the Background-Source Separation Algorithm to Chandra Deep Field South Data. In Proc. of "Statistical Challenges in Modern Astronomy V", Penn State University, State College, PA (USA), 2011. (Eds.) E.F. Feigelson, G.J. Babu. Statistical Challenges in Modern Astronomy V, Springer, New York, 493-495 (2011).
- Guo, Z., E. Möbius, B. Klecker, G. Mason and M. Popelki: Observation of He⁺ increase in solar energetic particle events with a high source temperature and implication for acceleration site. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, 48-51 (2011).
- Haerendel, G.: Magnetic fractures or reconnection of type II. In Proc. of "274th IAU Symposium: Advances in Plasma Astrophysics", Catania, Italy, 2010. (Eds.) A. Bonanno, A. Kosovichev. Proc. IAU 274, Cambridge University Press, Cambridge, UK, 56-61 (2011).
- Hart, M., S. Rabien, L. Busoni, L. Barl, U. Bechmann, M. Bonaglia, Y. Boose, J. Borelli, T. Bluemchen, L. Carbonaro, C. Connot, M. Deysenroth, R. Davies, O. Durney, M. Elberich, T. Ertl, S. Esposito, W. Gaessler, V. Gasho, H. Gemperlein, P. Hubbard, S. Kanneganti, M. Kulas, K. Newman, J. Noenickx, G. Orban de Xivry, A. Qirrenback, M. Rademacher, C. Schwab, J. Storm, V. Vaitheeswaran, G. Weigelt and J. Ziegler: The Large Binocular Telescope's ARGOS ground-layer AO system. In Proc. of "Advanced Maui Optical and Space Surveillance Technologies Conference", Maui, USA, 2010. (Eds.) S. Ryan. Proc. Advanced Maui Optical and Space Surveillance Technologies Conference, published online (2011).
- Herpin, F., L. Chavarria, F. van der Tak, F. Wyrowski, S. Bontemps and E. van Dishoeck: Water in massive star-forming regions with the Herschel Space Observatory. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 173-176 (2011).
- Holland, S.T., M. de Pasquale, J. Mao, T. Sakamoto, P. Schady, S. Covino, P. D'Avanzo, A. Antonelli, V. D'Elia, G. Chincarini, F. Fiore and S.B. Pandey: GRB 081029: Understanding Multiple Afterglow Components. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 130-133 (2011).
- Huarte-Espinosa, M., M. Krause and P. Alexander: 3D-MHD simulations of the evolution of magnetic fields in FR II radio sources. In Proc. of "275th IAU Symposium", Buenos Aires, Argentina, 2010. (Eds.) G.E. Romero, R. Sunyaev, T. Belloni. Proc. IAU 275, Cambridge University Press, Cambridge, UK, 170-171 (2011).
- Hurley, K., S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, I.G. Mitrofanov, D. Golovin, A. Kozirev, M. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, R. Starr, A. von Kienlin, A. Rau, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, T. Cline, J. Goldsten, E. Del Monte, M. Feroci, M. Marisaldi, M. Briggs, V. Connaughton, C. Meegan, D.M. Smith, C. Wigger and W. Hajdas: The Third Interplanetary Network. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 385-388 (2011).
- Irastorza, I.G., S. Aune, K. Barth, ..., H. Bräuninger, et al.: Latest results and prospects of the CERN Axion Solar Telescope. Journal of Physics Conf. Ser. 309, 012001 (2011).
- Jiang, K., L.-J. Hou, A.V. Ivlev, Y.-F. Li, C.-R. Du, H.M. Thomas, G.E. Morfill and K.R. Sütterlin: Initial stages in phase separation of binary complex plasmas: Numerical experiments. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 317-318 (2011).
- Kartavykh, Y.Y., W. Dröge, B. Klecker, G.A. Kovaltsov, L. Kocharov and E. Möbius: Possibility of solar energetic particles enrichment with trans-iron ions via the effect of coulomb losses in the acceleration region. Bulletin of the

- Russian Academy of Science, *Phys.* 75, 755-757 (2011).
- Kartavykh, Y.Y., W. Dröge, B. Klecker, L. Kocharov, G. Kovaltsov and E. Möbius: A possible enrichment of heavy and ultraheavy ions in Solar Energetic Particle Events due to the effect of Coulomb Losses. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 27-30 (2011).
- Kartavykh, Y.Y., W. Dröge, G. Kovaltsov, R. Gómez-Herrero, N. Dresing, B. Klecker and B. Heber: Three-dimensional anisotropic transport simulations: a parameter study for the interpretation of multi-spacecraft solar energetic particle observations. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 194-197 (2011).
- Khochfar, S.: Gravity at Work: How the Build-Up of Environments Shape Galaxy Properties. In Proc. of "Environment and the Formation of Galaxies: 30 years later", Lisbon, Portugal, 2010. (Eds.) I. Ferreras, A. Pasquali. JENAM 2010: Environment and the Formation of Galaxies: 30 years later, Astrophysics and Space Science Proceedings, Springer Berlin, 247-253 (2011).
- Khrapak, S.A., B.A. Klumov, P. Huber, V.I. Molotkov, A.M. Lipaev, V.N. Naumkin, H.M. Thomas, A.V. Ivlev, G.E. Morfill, O.F. Petrov, V.E. Fortov, Y. Malentschenko and S. Volkov: Freezing and melting of 3D complex plasma structures driven by neutral gas pressure manipulation in PK-3 Plus experiment. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 359-360 (2011).
- Khrapak, S.A., M. Chaudhuri and G.E. Morfill: Universal properties of the melting curves for a wide class of interparticle interactions. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 138-141 (2011).
- Kiss, C., A. Pál, T. Müller, P. Santos-Sanz, E. Vilenius, N. Szalai, E. Lellouche and H. Bönhardt: Sedna, Eris and Quaoar: physical properties of prominent trans-Neptunian objects, based on Herschel observations. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. (Eds.) EPSC-DPS Joint Meeting 2011, 1124 (2011).
- Klecker, B., M. A. Popecki and E. Möbius: Iron charge distributions during the onset phase of large SEP events. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 36-39 (2011).
- Klumov, B.A., S.A. Khrapak and G.E. Morfill: Structural properties of dense hard sphere systems near random close packing. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 441-442 (2011).
- Knappek, C.A., C. Durniak, D. Samsonov and G.E. Morfill: Kinetic Process of a 2D Phase Transition. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 361-362 (2011).
- Komossa, S.: Radio properties of Narrow-Line Seyfert 1 Galaxies. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).
- Kompaneets, R., A.V. Ivlev, S.V. Vladimirov and G.E. Morfill: Higher Landau modes and dust shielding in field-driven ion flows. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 56-59 (2011).
- Kothe, S., M. Krause, C. Güttler, J. Blum, E. Beitz and R. Weidling: A Protoplanetary Dust Collision Model Based on Experiments. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 412 (2011).
- Krause, M., M. Schartmann and A. Burkert: Dynamics of clouds in the broad-line region. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).
- Kristensen, L.E., R. Visser, E.F. van Dishoeck, U.A. Yildiz, G.J. Herczeg, S. Doty, J.K. Jørgensen, T.A. van Kempen, C. Brinch, S. Wampfler, S. Bruderer and A.O. Benz: WISE coming true: water in low-mass star-forming regions with Herschel. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 177-180 (2011).
- Lechner, P., L. Andricek, S. Aschauer, G. De Vita, G. Lutz, M. Porro, R.H. Richter, C. Sandow, H. Soltau, L. Strüder, A. Baehr, K. Hermenau, T. Hildebrand and G. Schaller: DEPFET Active Pixel Sensor with Non-Linear Amplification. In Proc. of "Proceedings of the IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically, 122-128 (2011).
- Lellouch, E., P. Hartogh, H. Feuchtgruber, B. Swinyard, R. Moreno, T. Cavalié, G. Orton, D. Bockelée-Morvan, N. Biver, H. Sagawa and C. Jarchow: Observations of the Giant Planets with Herschel. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 875 (2011).
- Linnartz, H., J.-B. Bossa, J. Bouwman, H.M. Cuppen, S.H. Cuyille, E.F. van Dishoeck, E.C. Fayolle, G. Fedoseev, G.W. Fuchs, S. Ioppolo, K. Isokoski, T. Lamberts, K.I. Öberg, C. Romanzin, E. Tenenbaum and J. Zhen: Solid State Pathways towards Molecular Complexity in Space. In Proc. of "280th IAU Symposium", Toledo, Spain, 2011.

- (Eds.) J. Cernicharo, R. Bachiller. Proc. IAU 280, Cambridge University Press, Cambridge, UK, 390-404 (2011).
- Lisse, C.M., D.J. Christian, S.J. Wolk, D. Bodewits, K. Dennerl, M.R. Combi, S.T. Lepri and T.H. Zurbuchen: Chandra ACIS-S X-ray Imaging Spectroscopy of Comet 103P/Hartley 2. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1745 (2011).
- Lutz, D. and Pep Consortium: A Herschel View on Galaxy/AGN Co-Evolution. In Proc. of "Galaxy Evolution: Infrared to Millimeter Wavelength Perspective", Guilin, China, 2010. (Eds.) W. Wang, Z. Yang, J. Lu, Z. Chen, Z. Luo. ASP Conf. Ser. 446, Astronomical Society of the Pacific, San Francisco, CA USA, 193 (2011).
- Lutz, D.: Galaxy formation from deep surveys with Herschel-PACS. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 47-53 (2011).
- Löwen, H., C.P. Royall, A. Ivlev and G.E. Morfill: Charged colloidal suspensions and their link to complex plasmas. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 201-210 (2011).
- Madden, S.C., M. Galametz, D. Cormier, V. Leboutteiller, F. Galliano, S. Hony, A. Rémy, M. Sauvage, A. Contursi, E. Sturm, A. Poglitsch, M. Pohlen, M.W.L. Smith, G. Bendo and B. O'Halloran: The Elusive ISM of Dwarf Galaxies: Excess Submillimetre Emission & CO-Dark Molecular Gas. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 95-101 (2011).
- Molotov, V.I., A.M. Lipaev, V.N. Naumkin, H.M. Thomas, M. Schwabe, A.V. Ivlev, S.A. Khrapak, V.E. Fortov and G.E. Morfill: Interpenetration of two clouds of microparticles in complex plasma under microgravity conditions. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 377-378 (2011).
- Mommert, M., A.W. Harris, T.G. Müller, J. Stansberry, E. Lellouch, H. Bönhardt, A. Delsanti, R. Duffard, S. Fornasier, P. Hartogh, F. Henry, C. Kiss, M. Mueller, A. Pal, S. Protopapa, P. Santos-Sanz, N. Szalai, M. Rengel and E. Vilnius: TNOs are Cool: A Survey of the Transneptunian Region - Physical Characterization of 16 Plutinos using PACS observations. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. (Eds.) EPSC-DPS Joint Meeting 2011, 906 (2011).
- Monetti, R., J. Bauer, T. Baum, I. Sidorenko, D. Müller, F. Eckstein, T. Link and C. Râth: The locally adapted scaling vector method: A new tool for quantifying anisotropic structures in bone images. In: "Computer Tomography - Special Applications." (Ed.) L. Saba. InTech, Rijeka, Croatia, 37-56 (2011).
- Müller, T., E. Lellouch, C. Kiss, T. Lim, S. Fornasier, P. Santos-Sanz, E. Vilnius, A. Delsanti, R. Duffard, P. Hartogh, F. Henry, M. Mommert, M. Müller, N. Szalai, J. Stansberry and J.L. Ortiz: Makemake: A truly exotic TNO!. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1416 (2011).
- Müller, T.G., S. Hasegawa and M. Abe: Near-Earth asteroid 162173 (1999 JU3): Constraining size, albedo, shape, spin-axis and thermal properties via thermophysical model techniques. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1505 (2011).
- Nardini, M., J. Greiner, S. Klose, T. Krühler, R. Filgas, P. Schady, P. Afonso, C. Clemens, A.N. Guelbenzu, F. Olivares E., A. Updike, A. Rossi, A.K. Yoldaş, A. Yoldaş, D. Burlon, J. Elliott and D.A. Kann: What can produce a sharp late time optical re-brightening? Optical bumps in the multi-color imaging era. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 150-153 (2011).
- Nosenko, V.Y., P.K. Shukla, M.H. Thoma and H.M. Thomas: PREFACE: Dusty/Complex Plasmas: Basic and Interdisciplinary Research. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 1-2 (2011).
- Oates, S.R., M.J. Page, P. Schady, M. de Pasquale, P.A. Evans, K.L. Page, M.M. Chester, P. Curran, T.S. Koch, N.P.M. Kuin, P.W.A. Roming, M. Siegel, S. Zane and J.A. Nousek: A Statistical Comparison of the Optical/UV and X-ray GRB Afterglows Observed using the Swift UVOT and XRT. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 154-157 (2011).
- Öberg, K.I., A.C.A. Boogert, K.M. Pontoppidan, S. van den Broek, E.F. van Dishoeck, S. Bottinelli, G.A. Blake and N.J. Evans: Ices in Starless and Starforming Cores. In Proc. of "280th IAU Symposium", Toledo, Spain, 2011. (Eds.) J. Cernicharo, R. Bachiller. Proc. IAU 280, Cambridge University Press, Cambridge, UK, 65-78 (2011).
- Oklopčić, A., V. Smolčić, S. Giodini, G. Zamorani, L. Bhattarizan, E. Schinnerer, C.L. Carilli, A. Finoguenov, S. Lilly, A. Koekemoer and N.Z. Scoville: A wide-angle tail galaxy at $z = 0.53$ in the COSMOS field. Mem. Soc. Astron. Ital. 82, 161 (2011).
- Orban de Xivry, G., R. Davies, M. Schartmann, S. Komossa, A. Marconi, E. Hicks, H. Engel and L. Tacconi: Past and present secular evolution in the host galaxies of NLS1s. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).

- O'Rourke, L., T. Müller, I. Valtchanov, B. Altieri, B.M. González-García, B. Bhattacharya, L. Jorda, B. Carry, M. Küppers, O. Groussin, K. Altwegg, M.A. Barucci, D. Bockelee-Morvan, J. Crovisier, E. Dotto, P. Garcia-Lario, M. Kidger, A. Llorente, R. Lorente, A.P. Marston, M. Sanchez Portal, R. Schulz, M. Sierra, D. Teysier and R. Vavrek: Herschel Observations of (21) Lutetia around the Rosetta Flyby. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1464 (2011).
- Paumard, T., S. Gillessen, W. Brander, A. Eckart, J. Berger, P. Garcia, A. Amorim, S. Anton, H. Bartko, H. Baumeister, P. Carvas, F. Cassaing, E. Choquet, Y. Clénet, C. Collin, K. Dodds-Eden, F. Eisenhauer, P. Fédou, É. Gendron, R. Genzel, A. Gräter, C. Guériau, X. Hauboiss, M. Haug, S. Hippler, R. Hofmann, F. Hormuth, K. Houairi, S. Ihle, L. Jocou, S. Kellner, P. Kervella, R. Klein, J. Kolmeder, N. Kudryavtseva, S. Lacour, V. Lapeyrene, W. Laun, R. Lenzen, B. Le Ruyet, J.M.A. Lima, M. Marteau, T. Moulin, V. Naranjo, U. Neumann, F. Patru, K. Perraut, G. Perrin, O. Pfuhl, J. Réess, S. Rabien, J.R. Ramos, R. Rohloff, G. Rousset, A. Sevin, M. Thiel, F. Vincent, J. Ziegler and D. Ziegler: Science with GRAVITY, the NIR Interferometric Imager. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 267 (2011).
- Perna, D., E. Dotto, M.A. Barucci, E. Mazzotta Epifani, M. Dall'Orta and E. Vilenius: Photometry of TNOs and Centaurs in support of a Herschel Key Programme. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. (Eds.) EPSC-DPS Joint Meeting 2011, 961 (2011).
- Popecki, M. A., B. Klecker and E. Möbius: Iron charge distributions for four large SEP events in the energy range 0.23-0.33 MeV/nu: implications for source populations. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 44-47 (2011).
- Porro, M., D. Bianchi, G. De Vita, S. Herrmann, A. Wasatsch, R. Hartmann, G. Hauser and L. Strüder: VERITAS: a 128-Channel ASIC for the Readout of pnCCDs and DEPFET Arrays for X-Ray Imaging, Spectroscopy and X-Ray FEL Applications. Experimental Results and New Designs. In Proc. of "IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically (2011).
- Porro, M.: Development of the DSSC: a Large Format X-Ray Imager with MHz Readout Capability for the European XFEL. In Proc. of "IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically (2011).
- Rengel, M., P. Hartogh and T. Müller: Communicating Herschel Key Programs in Solar System Studies to the Public. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 883 (2011).
- Rypdal, K., B. Klumov, B. Kozelov, R. Kube and M. Rypdal: Exploring the Analogy Between Freezing of a 2D Yukawa Liquid and 2D Decaying Turbulence in Fluids. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 72-77 (2011).
- Sani, E., D. Lutz, G. Risaliti, H. Netzer, L. Gallo, B. Trakhtenbrot, E. Sturm and T. Boller: Enhanced star formation in Narrow-Line Seyfert 1 galaxies. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).
- Santos-Sanz, P., C. Kiss, E. Lellouch, T.G. Müller, J. Stansberry, H. Bönhardt, P. Lacerda, J.L. Ortiz, A. Thirouin, R. Duffard, A. Pal, E. Vilenius, S. Fornasier, T. Lim and "TNOS Are Cool" Team: Thermal lightcurve observations of TNOs with Herschel. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1099 (2011).
- Schartmann, M., K. Meisenheimer, H. Klahr, M. Camenzind, S. Wolf, T. Henning, A. Burkert and M. Krause: Hydrodynamic Studies of Turbulent AGN Tori. In Proc. of "JENAM 2008: Grand Challenges in Computational Astrophysics", Vienna, Austria, 2008. (Eds.) H. Wozniak, G. Hensler. EAS Publ. Ser. 44, European Astronomical Society, 69-72 (2011).
- Schulze, S., S. Klose, G. Björnsson, P. Jakobsson, D.A. Kann, A. Rossi, T. Krühler, J. Greiner and P. Ferrero: The circumburst density profile around GRB progenitors. In Proc. of "Gamma Ray Bursts 2010", Annapolis, MD, USA, 2010. (Eds.) J.E. McEnery, J.L. Racusin, N. Gehrels. AIP Conf. Proc. 1358, American Institute of Physics, Melville, NY USA, 165-168 (2011).
- Schwabe, M., S. Zhdanov, A.V. Ivlev, H.M. Thomas and G.E. Morfill: Exploring the limits of cooperative phenomena using complex plasmas. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 66-71 (2011).
- Stairs, I.H., M.J. Keith, Z. Arzoumanian, W. Becker, et al.: Pulsars with the Australian Square Kilometre Array Pathfinder. In Proc. of "Radio Pulsars: An astrophysical Key to unlock the Secrets of the Universe", Chia, Italy, 2010. (Eds.) M. Burgay, N.D. Amico, P. Esposito, A. Pellizzoni, A. Possenti. AIP Conf. Proc. 1357, American Institute of Physics, Melville, NY USA, 335-340 (2011).
- Stansberry, J.A., T.G. Müller, J.-L. Ortiz, P. Santos-Sanz, E. Vilenius, E. Lellouch and C. Kiss: Physical Properties of the Haumea Family from Herschel. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1437 (2011).
- Sturm, E., A. Poglitsch, A. Contursi, J. Graciá-Carpio, J. Fischer, E. González-Alfonso, R. Genzel, S. Hailey-Dunsheath, D. Lutz, L. Tacconi, J. Dejong, A. Sternberg, A. Verma, S. Madden, L. Vigroux, D. Cormier, U. Klaas, M. Nielbock, O. Krause, J. Schreiber and M. Haas: Star formation and the ISM in infrared bright galaxies - SHINING. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2011.

- land, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ. Ser. 52, European Astronomical Society, 55-61 (2011).
- Sultana, S., I. Kourakis and V.V. Yaroshenko: Strong electrostatic interaction effect on modulational stability of dust acoustic waves. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 435-436 (2011).
- Sun, L., Y.Y. Kartavykh, B. Klecker and W. Dröge: Transport of solar energetic electrons through the Earth's bow shock and in the magnetosheath. In Proc. of "32nd Intern. Cosmic Ray Conf.", Beijing, China, Vol 10, p. 190-193 (2011).
- Thibon, M., X. Haubois, K. Dodds-Eden, A. Weiss, T. Paumard, Y. Clénet, G. Perrin, S. Gillessen, R. Genzel, D. Rouan and É. Pantin: Observing the Galactic Center in the Mid-Infrared. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 35 (2011).
- Trap, G., A. Weiss, A. Goldwurm, K. Dodds-Eden, R. Terrier, G. Ponti, S. Gillessen, R. Genzel, G. Bélanger and Y. Clénet: Simultaneous X-ray, Near-Infrared, and Submillimeter Observations of Sgr A*. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 304 (2011).
- Trippe, S., S. Gillessen, O.E. Gerhard, H. Bartko, T.K. Fritz, F. Eisenhauer, T. Ott, K. Dodds-Eden, R. Genzel, H.L. Maness and F. Martins: Kinematics of the Old Stellar Population at the Galactic Centre. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 232 (2011).
- Trümper, J. and R. Lust: Nachruf Professor A. Schlüter. Akademie Aktuell 03, 60-61 (2011).
- Usachev, A.D., A.V. Zobnin, O.F. Petrov, V.E. Fortov, M.H. Thoma, H. Höfner, M. Kretschmer, M. Fink and G.E. Morfill: Structural and Dynamic Phenomena in the "Plasma Kristall-4" Experiments under Microgravity Conditions. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 114-117 (2011).
- Uslenghi, M., M. Fiorini, C. Fiorini, L. Bombelli, S. Facchinetti, A. Marone, G. Rocco, C. Vermi, A. Candelori, S. Mattiazzo, L. Silvestrin, J. Wyss, S. Herrmann, G. De Vita, M. Porro, A. Wassatsch and S. Incorvaia: Study of Single Event Transients on the VELAASIC, x-ray detectors FEE for new generation astronomical instruments. In Proc. of "IEEE Nuclear Science Symposium (NSS/MIC)", Valencia, Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically (2011).
- Vasilyak, L.M., F.I. Vysykailo, V.E. Fortov, V.I. Molotkov, G.E. Morfill and H.M. Thomas: Formation of Jet Propulsion Near Dust Particle in Plasma. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 341-342 (2011).
- Vennik, J. and U. Hopp: Dwarf Galaxies in Nearby Groups of Galaxies. In Proc. of "A Universe of Dwarf Galaxies", Lyon, France, 2010. (Eds.) M. Koleva, Ph. Prugniel, I. Vauglin. EAS Publ. Ser. 48, European Astronomical Society, 149-151 (2011).
- Vilenius, E., T. Müller, A. Pal, P. Santos-Sanz, M. Rengel, P. Hartogh, S. Protopapa, M. Mueller, M. Mommert, J. Stansberry, E. Lellouch, H. Bönhardt, J.L. Ortiz, A. Thirouin, F. Henry, A. Delsanti, S. Fornasier, D. Hestroffer and E. Dotto: TNOs are Cool: Thermophysical modeling of a sample of 20 classical KBOs using Herschel/PACS. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 1299 (2011).
- Vincent, F.H., T. Paumard, G. Perrin, E. Gourgoulhon, F. Eisenhauer and S. Gillessen: Towards constraining the central black hole's properties by studying its infrared flares with the GRAVITY instrument. In Proc. of "Annual meeting of the French Society of Astronomy and Astrophysics", Paris, France, 2011. (Eds.) G. Alecian, K. Belkacem, R. Samadi and D. Valls-Gabaud. SF2A-2011: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics, published online, 689-693 (2011).
- Vincent, F.H., T. Paumard, G. Perrin, L. Mugnier, F. Eisenhauer and S. Gillessen: Astrometric Study of the Complex Environment of Sgr A* in Imaging Mode with the VLTI/GRAVITY Instrument. In Proc. of "The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies", Shanghai, China, 2009. (Eds.) M.R. Morris, Q.D. Wang, F. Yuan. ASP Conf. Ser. 439, Astronomical Society of the Pacific, San Francisco, CA USA, 275 (2011).
- Visser, R., E.F. van Dishoeck and S.D. Doty: Chemical History of Molecules in Circumstellar Disks. In Proc. of "280th IAU Symposium", Toledo, Spain, 2011. (Eds.) J. Cernicharo, R. Bachiller. Proc. IAU 280, Cambridge University Press, Cambridge, UK, 138-148 (2011).
- Wang, T., J. Huang, S. Wuyts, G. Fang, G. Fazio, Z. Chen, X. Kong and Q. Gu: SEDs and NIR Morphologies of Old and Dusty Galaxies at $z \sim 2$. In Proc. of "Galaxy Evolution: Infrared to Millimeter Wavelength Perspective", Guilin, China, 2010. (Eds.) W. Wang, Z. Yang, J. Lu, Z. Chen, Z. Luo. ASP Conf. Ser. 446, Astronomical Society of the Pacific, San Francisco, CA USA, 303 (2011).
- Weidenspointner, G., R. Andritschke, S. Granato, M. Porro, C. Sandow, L. Strüder, K. Hansen, P. Fischer, T. Sant, S. Aschauer, P. Lechner, and G. Lutz: Strategy for calibrating the non-linear pixel characteristic of the DSSC detector for XFEL. In Proc. of "IEEE Nuclear Science Symposium and Medical Imaging Conference", Valencia,

Spain, 2011. (Eds.) Z. Bell, J. Karp. NSS/MIC Conference records, published electronically, (2011).

Wilman, D.J., P. Erwin, G. De Lucia, F. Fontanot and P. Monaco: The Origin of the Morphology-Density Relation. In Proc. of "Environment and the Formation of Galaxies: 30 years later", Lisbon, Portugal, 2010. (Eds.) I. Ferreras, A. Pasquali. JENAM 2010: Environment and the Formation of Galaxies: 30 years later, Astrophysics and Space Science Proceedings, 215 (2011).

Winkler, C., R. Diehl, P. Ubertini and J. Wilms: INTEGRAL: Science Highlights and Future Prospects. Space Sci. Rev. 161, 149-177 (2011).

Xu, D. and S. Komossa: The narrow-line region of narrow-line Seyfert 1 galaxies. In Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe", Milano, Italy, 2011. (Eds.) L. Foschini, M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur. Proceedings of Science, published online (2011).

Yildiz, U.A., E.F. van Dishoeck, L.E. Kristensen, R. Visser, G. Herczeg, T.A. van Kempen, J.K. Jørgensen, M.R. Hogerheijde and Wish Team: Energetic processes revealed by spectrally resolved high-J CO lines in low-mass star-forming regions with Herschel-HIFI. In Proc. of "5th Zermatt Symposium", Zermatt, Switzerland, 2010. (Eds.) M. Roellig, R. Simon, V. Ossenkopf, J. Stutzki. EAS Publ.

Ser. 52, European Astronomical Society, 313-314 (2011).

Yaroshenko, V.V., V. Nosenko and G.E. Morfill: Dust Acoustic Waves in Strongly Coupled Complex Plasmas. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 409-410 (2011).

Yaroshenko, V.V., W. Miloch, S. Vladimirov and G.E. Morfill: Modelling of Cassini charging and wake formation in Saturn's Magnetosphere. In Proc. of "EPSC-DPS Joint Meeting 2011", Nantes, France, 2011. EPSC-DPS Joint Meeting 2011, 871 (2011).

Yaroshenko, V.V., W.J. Miloch, S. Vladimirov and G.E. Morfill: Cassini's Charging and Ion Wake Formation in Saturn's Magnetosphere. In Proc. of "Dusty/Complex Plasmas: Sixth International Conference on the Physics of Dusty Plasmas", Garmisch-Partenkirchen, Germany, 2011. (Eds.) V.Y. Nosenko, P.K. Shukla, M.H. Thoma, H.M. Thomas. AIP Conf. Proc. 1397, American Institute of Physics, Melville, NY USA, 449-450 (2011).

Telegramme / Zirkulare / Datenkataloge

Adams, J.J., G.A. Blanc, G.J. Hill, K. Gebhardt, N. Drory, L. Hao, R. Bender, J. Byun, R. Ciardullo, M.E. Cornell, S.L. Finkelstein, A. Fry, E. Gawiser, C. Gronwall, U. Hopp, D. Jeong, A. Kelz, R. Kelzenberg, E. Komatsu, P.J. MacQueen, J. Murphy, P.S. Odoms, M. Roth, D.P. Schneider, J.R. Tufts and C.P. Wilkinson: Emission-line galaxies from HETDEX pilot survey (Adams+, 2011). VODC 219, 20005 (2011).

Afonso, P., A. Rossi, S. Klose and J. Greiner: GRB 110420B, GROND observations. GCN Circ. 11949, 1 (2011).

Afonso, P., J. Elliott and J. Greiner: GRB110420A: GROND detection of the Optical/NIR afterglow candidate. GCN Circ. 11954, 1 (2011).

Barsukova, E., S. Fabrika, K. Hornoch, T. Fatkhullin, O. Sholukhova and W. Pietsch: Spectroscopy of nova 2011-10d and photometry of nova candidate 2011-10e in M31. The Astronomer's Telegram 3725, 1 (2011).

Barthelmy, S., J. Cummings, N. Gehrels, H. Krimm, D. Palmer, K. Hurley, J. Goldsten, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: GRB 110604A detection by IPN spacecraft and Swift-BAT. GCN Circ. 12063, 1 (2011).

Burwitz, V., M. Henze, W. Pietsch, S. Holmes, U. Kolb and C.A.H.J. Rodriguez: H-alpha confirmation of two recent disc novae in M 31. The Astronomer's Telegram 3499, 1 (2011).

Catinella, B., D. Schiminovich, G. Kauffmann, S. Fabello, J. Wang, C. Hummels, J. Lemonias, S.M. Moran, R. Wu, R. Giovanelli, M.P. Haynes, T.M. Heckman, A.R. Basu-Zych, M.R. Blanton, J. Brinchmann, T. Budavari, T. Goncalves, B.D. Johnson, R.C. Kennicutt, B.F. Madore, C.D. Martin, M.R. Rich, L.J. Tacconi, D.A. Thilker, V. Wild and T.K. Wyder: GALEX Arcibo SDSS survey (GASS) (Catinella+, 2010). VODC 740, 30683 (2011).

Leno, S.B., E.O. Ofek, S.R. Kulkarni and A. Rau: GRB 110213B: P60 optical afterglow candidate. GCN Circ. 11732, 1 (2011).

Leno, S.B., R.M. Quimby, A. Rau, S.R. Kulkarni and A. Hoesch: Swift J2058+0516 Redshift Determination: A Swift J1644/GRB110328A-like Event?. The Astronomer's Telegram 3426, 1 (2011).

Cooper, M.C., J.A. Aird, A.L. Coil, M. Davis, S.M. Faber, S. Juneau, J.M. Lotz, K. Nandra, J.A. Newman, C.N.A. Willmer and R. Yan: DEEP3 Galaxy Redshift Survey: GOODS-N field (Cooper+, 2011). VODC 219, 30014 (2011).

Corral, A., R. Della Ceca, A. Caccianiga, P. Severgnini, H. Brunner, F.J. Carrera, M.J. Page and A.D. Schwope: X-ray properties of AGN in XBS (Corral+, 2011). VODC 353, 9042 (2011).

Del Santo, M., E. Kuulkers, J. Rodriguez, C. Baldovin, E. Bozzo, I. Caballero, M. Cadolle Bel, F. Capitanio, J. Chenevez, I. Kreykenbohm, M. Kuehnel, C. Sanchez-Fernandez, K. Watanabe and G. Weidenspointner: INTEGRAL Observations of MAXI J1836-194. The Astronomer's Telegram 3652, 1 (2011).

Elliott, J., A. Nicuesa Guelbenzu, T. Kruehler and J. Grei-

- ner: GRB 110213B: GROND observations of the optical/NIR afterglow. GCN Circ. 11743, 1 (2011).
- Elliott, J., D.A. Kann and J. Greiner: GRB 110915A: GROND upper limits. GCN Circ. 12353, 1 (2011).
- Elliott, J., D.A. Kann and J. Greiner: GRB 110915B: GROND observations of the Optical/NIR afterglow candidate. GCN Circ. 12356, 1 (2011).
- Elliott, J., R. Filgas and J. Greiner: GRB 110206A: decay of afterglow candidate. GCN Circ. 11669, 1 (2011).
- Elliott, J., R. Filgas, T. Kruehler and J. Greiner: GRB 110206A: GROND detection of afterglow candidate. GCN Circ. 11665, 1 (2011).
- Elliott, J., T. Kruehler, S. Klose, D.A. Kann, A. Rau and J. Greiner: GRB 110918A: GROND detection of the afterglow candidate. GCN Circ. 12366, 1 (2011).
- Elst, E.W., C.-I. Lagerkvist, A. Boattini, R. Behrend, A. Galad, D. Rabinowitz, A.C. Updike, M.E. Schwamb, S. Tourtellotte, A. Nastasi, R. Fassbender, T. Anguita and D.A. Kann: Minor Planet Observations [809 European Southern Observatory, La Silla]. Minor Planet Circulars 74496, 7 (2011).
- Filgas, R., A. Rossi, D.A. Kann, A. Rau and J. Greiner: GRB 110625A: GROND detection of a source inside the XRT error circle. GCN Circ. 12096, 1 (2011).
- Filgas, R., J. Greiner, P. Schady, T. Kruehler, A.C. Updike, S. Klose, M. Nardini, D.A. Kann, A. Rossi, V. Sudilovsky, P.M.J. Afonso, C. Clemens, J. Elliott, A. Nicuesa Guelbenzu, F. Olivares E. and A. Rau: GRB 091127 g'r'i'z' JH light curves (Filgas+, 2011). VODC 353, 59057 (2011).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, J. Goldsten, A. von Kienlin, X. Zhang, A. Rau, D. Smith, J. McTiernan, R. Schwartz, W. Hajdas, J. Cummings, D. Palmer, S. Barthelmy, N. Gehrels and H. Krimm: IPN localization of bright GRB 110518A. GCN Circ. 12018, 1 (2011).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, K. Hurley, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, J. Goldsten, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, V. Connaughton, M. Briggs, C. Meegan, J. Cummings, D. Palmer, S. Barthelmy, N. Gehrels, H. Krimm, A. von Kienlin, X. Zhang and A. Rau: IPN triangulation of short hard GRB 110705A. GCN Circ. 12110, 1 (2011).
- Greiner, J., A.C. Updike, T. Kruehler and V. Sudilovsky: GRB 110721A: potential counterpart candidate. GCN Circ. 12192, 1 (2011).
- Greiner, J., F. Olivares E. and P. Schady: GROND limits for NIR counterpart of Swift J2058.4+0516. The Astronomer's Telegram 3385, 1 (2011).
- Greiner, J., M. Nardini, A. Rau and J. Elliott: Optical/NIR counterpart of Swift J1836.6+0341. The Astronomer's Telegram 3687, 1 (2011).
- Henze, M., K. Lutz, W. Pietsch, V. Burwitz, M. Zejmo, A. Slowikowska, G. Papamastorakis, P. Reig and A. Strigachev: H-alpha detection of three recent optical novae in M 31. The Astronomer's Telegram 3486, 1 (2011).
- Henze, M., W. Pietsch and F. Haberl: M 31 in X-rays with Swift - a new transient and an old source gone. The Astronomer's Telegram 3443, 1 (2011).
- Henze, M., W. Pietsch and J. Greiner: Swift Ultraviolet detection of three Novae and two new transients in M 31. The Astronomer's Telegram 3712, 1 (2011).
- Henze, M., W. Pietsch, F. Haberl and V. Burwitz: Swift and Chandra X-ray detections of nova M31N 2011-01b. The Astronomer's Telegram 3441, 1 (2011).
- Henze, M., W. Pietsch, F. Harberl, M. Hernanz, G. Sala, D. Hatzidimitriou, M. Della Valle, A. Rau, D.H. Hartmann and V. Bruwitz: X-ray monitoring of M31 novae (Henze+, 2011). VODC 353, 39052 (2011).
- Henze, M., W. Pietsch, V. Burwitz, A. Kaur, D.H. Hartmann, P. Milne and G. Williams: Nova in M31: M31N 2011-01a. IAU Telegram 2631, 6 (2011).
- Hornoch, K., S. Fabrika, T. Fatkhullin, O. Sholukhova, M. Henze, W. Pietsch, J. Gorosabel and P. Kubanek: Identification of TCP J00423987+4114355 and TCP J00423876+4110453 with known optical objects in M 31. The Astronomer's Telegram 3755, 1 (2011).
- Hurley, K., I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal' Shin, D. Frederiks, D. Svinkin, T. Cline, A. von Kienlin, X. Zhang, A. Rau, V. Savchenko, E. Bozzo and C. Ferrigno: IPN triangulation of GRB 111205A(long/hard/intense). GCN Circ. 12626, 1 (2011).
- Hurley, K., I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, W. Hajdas, A. Zehnder, A. von Kienlin, X. Zhang, A. Rau, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer and J. Goldsten: IPN triangulation of the bright GRB110406A. GCN Circ. 11900, 1 (2011).
- Hurley, K., J. Goldsten, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, V. Connaughton, M. Briggs, C. Meegan, A. von Kienlin, X. Zhang, A. Rau, E. Costa, M.E. Del, I. Donnarumma, Y. Evangelista, M. Feroci, I. Lapshov, F. Lazzarotto, L. Paciani, M. Rapisarda and P. Soffitta: IPN triangulation of GRB 110721A. GCN Circ. 12195, 1 (2011).
- Hurley, K., S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, X. Zhang, V. Savchenko, A. Rau and J. Goldsten: IPN triangulation of GRB 110918A (long duration, extremely intense). GCN Circ. 12357, 1 (2011).
- Hurley, K., S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D. Svinkin, T. Cline, J. Goldsten, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos, R. Starr, A. von Kienlin, X. Zhang, A. Rau, V. Connaughton, M. Briggs,

- C. Meegan, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm and D. Palmer: IPN triangulation of GRB110618A (long duration, extremely intense). *GCN Circ.* 12077, 1 (2011).
- Hurley, K., V. Connaughton, M. Briggs, C. Meegan, S. Golenskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, A. von Kienlin, A. Rau, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, J. Goldsten, K. Yamaoka, M. Ohno, Y. Hanabata, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, E. Costa, M.E. Del, I. Donnarumma, Y. Evangelista, M. Feroci, I. Lapshov, F. Lazzarotto, L. Pacciani, M. Rapisarda, P. Soffitta, G. DiCocco, F. Fuschino, M. Galli, C. Labanti, M. Marisaldi, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, D. Palmer, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, W. Boynton, C. Fellows, K. Harshman, H. Enos and R. Starr: No IPN GRB detected in conjunction with candidate GRB 110215. *GCN Circ.* 11768, 1 (2011).
- Isern, J., P. Jean, E. Bravo, J. Knodlseder, R. Diehl, A. Hirschmann, N. Elias-Rosa, M. Hernanz, C. Badenes, I. Dominguez, B. Kulebi, D. Garcia, C. Jordi, G. Lichti, G. Vedrenne and P. von Ballmoos: Bounds to the gamma-ray flux emitted by SN 2011fe before the maximum of light as obtained by INTEGRAL/SPI. *The Astronomer's Telegram* 3683, 1 (2011).
- Kann, D.A., J. Elliott and J. Greiner: GRB 110414A: GROND upper limits. *GCN Circ.* 11939, 1 (2011).
- Kann, D.A., J. Greiner and A. Rau: GROND observation of optical counterpart of XMMSL1 J063045.9-603110. *The Astronomer's Telegram* 3813, 1 (2011).
- Kann, D.A., P. Schady and J. Greiner: GRB 110407A: GROND detection of the optical afterglow. *GCN Circ.* 11906, 1 (2011).
- Kessler, R., A.C. Becker, D. Cinabro, J. Vanderplas, J.A. Frieman, J. Marriner, T.M. Davis, B. Dilday, J. Holtzman, S.W. Jha, H. Lampeitl, M. Sako, M. Smith, C. Zheng, R.C. Nichol, B. Bassett, R. Bender, D.L. Depoy, M. Doi, E. Eison, A.V. Filippenko, R.J. Foley, P.M. Garnavich, U. Hopp, Y. Ihara, W. Ketzeback, W. Kollatschny, K. Konishi, J.L. Marshall, R.J. McMillan, G. Miknaitis, T. Morokuma, E. Mortsell, K. Pan, J.L. Prieto, M.W. Richmond, A.G. Riess, R. Romani, D.P. Schneider, J. Sollerman, N. Takahashi, K. Tokita, K. van der Heyden, J.C. Wheeler, N. Yasuda and D. York: First-year SDSS-II SN results (Kessler+, 2009). *VODC* 218, 50032 (2011).
- Kruehler, T., J. Greiner, F. Schrey and S. Klose: GRB 110318B: GROND upper limits. *GCN Circ.* 11809, 1 (2011).
- Lusso, E., A. Comastri, C. Vignali, G. Zamorani, E. Treister, D. Sanders, M. Bolzonella, A. Bongiorno, M. Brusa, F. Civano, R. Gilli, V. Mainieri, P. Nair, M. Aller, M. Carollo, A.M. Koekemoer, A. Merloni and J.R. Trump: Type-2 AGN from XMM-COSMOS bolometric output (Lusso+, 2011). *VODC* 353, 49110 (2011).
- Magnelli, B., D. Elbaz, R.R. Chary, M. Dickinson, D. Le Borgne, D.T. Frayer and C.N.A. Willmer: Infrared luminosity in GOODS fields (Magnelli+, 2011). *VODC* 352, 89035 (2011).
- Müller, T.G., B. Altieri and M. Kidger: 2005 YU_55. *IAU Circular* 9241 (2011).
- Nardini, M., J. Elliott and J. Greiner: GRB 111018A: GROND upper limits. *GCN Circ.* 12454, 1 (2011).
- Nardini, M., J. Greiner and T. Kruehler: GRB 111005A: GROND NIR observations. *GCN Circ.* 12417, 1 (2011).
- Nardini, M., J. Greiner, T. Kruehler, R. Filgas, S. Klose, P. Afonso, C. Clemens, A.N. Guelbenzu, F. Olivares E., A. Rau, A. Rossi, A. Updike, A. Kupcu Yoldas, A. Yoldas, D. Burlon, J. Elliott and D.A. Kann: On the nature of the extremely fast optical rebrightening of the afterglow of GRB 081029. *VODC* 353, 19039 (2011).
- Nardini, M., S. Klose, J. Greiner and P. Afonso: GRB 111008A, GROND observations. *GCN Circ.* 12428, 1 (2011).
- Nicuesa Guelbenzu, A., F. Olivares E. and J. Greiner: GRB 110312A: GROND upper limits. *GCN Circ.* 11785, 1 (2011).
- Nicuesa Guelbenzu, A., V. Sudilovsky, P. Schady and J. Greiner: GRB 110305A: GROND detection of optical afterglow. *GCN Circ.* 11774, 1 (2011).
- Olivares, E.F., P. Schady, T. Kruehler, J. Greiner, S. Klose and D.A. Kann: GRB 101219B: GROND detection of a SN signature. *GCN Circ.* 11578, 1 (2011).
- Perley, D.A., J.S. Bloom, C.R. Klein, S. Covino, T. Minezaki, P. Wozniak, W.T. Vestrand, G.G. Williams, P. Milne, N.R. Butler, A.C. Updike, T. Kruehler, P. Afonso, A. Antonelli, L. Cowie, P. Ferrero, J. Greiner, D.H. Hartmann, Y. Kakazu, A.K. Yoldas, A.N. Morgan, P.A. Price, J.X. Prochaska and Y. Yoshii: Photometry of GRB 071025 (Perley+, 2010). *VODC* 740, 62473 (2011).
- Pietsch, W., M. Henze and K. Hornoch: Swift UVOT detection of PNV J00422413+4111549: a very fast nova in M 31 or a flaring foreground star?. *The Astronomer's Telegram* 3446, 1 (2011).
- Pietsch, W., M. Henze, V. Burwitz, A. Kaur, D.H. Hartmann, G. Williams and P. Milne: Three new optical nova candidates in M 31. *The Astronomer's Telegram* 3409, 1 (2011).
- Pietsch, W., M. Henze, V. Burwitz, A. Kaur, D.H. Hartmann, P. Milne and G. Williams: New optical nova candidate in the outer disk of M 31. *The Astronomer's Telegram* 3175, 1 (2011).
- Pletikosa, I., S. Cikota, J. Rodriguez and V. Burwitz: Light-curve Photometry of 6670 Wallach. *Minor Planet Bulletin* 38, 205 (2011).
- Rau, A., J. Greiner and F. Olivares E.: Swift J2058+0516: GROND detection of candidate optical counterpart. *The Astronomer's Telegram* 3390, 1 (2011).
- Rau, A., J. Greiner and R. Filgas: Swift J1357.2-0933: Optical/NIR counterpart from GROND. *The Astronomer's Telegram* 3140, 1 (2011).
- Rau, A., J. Greiner and V. Sudilovsky: GROND observations of MAXI J1836-194. *The Astronomer's Telegram* 3619, 1 (2011).

- Rau, A., J. Greiner, J. Elliott and F. Olivares E.: MAXI J1543-564: optical-nearIR observations with GROND. *The Astronomer's Telegram* 3365, 1 (2011).
- Rau, A., J. Greiner, P. Schady, F. Olivares E., H. Krimm and S. Holland: Continued Swift and GROND observations of Swift J2058+0516. *The Astronomer's Telegram* 3425, 1 (2011).
- Rau, A., P. Schady, J. Greiner and D.A. Kann: GROND+Swift/UVOT photometric redshift for the flaring blazar PKS 2123-463. *The Astronomer's Telegram* 3814, 1 (2011).
- Rau, A.: Fermi GBM trigger 319534757 (110216319) is not a GRB. *GCN Circ.* 11741, 1 (2011).
- Rau, A.: Fermi gamma-ray burst monitor trigger 110809.346 is not a GRB. *GCN Circ.* 12265, 1 (2011).
- Rau, A.: GRB 110412A: Fermi GBM observation. *GCN Circ.* 11926, 1 (2011).
- Rovilos, E., S. Fotopoulou, M. Salvato, V. Burwitz, E. Ega-mi, G. Hasinger and G. Szokoly: AGN Opt/IR properties in Lockman Hole (Rovilos+, 2011). *VODC* 352, 99135 (2011).
- Saglia, R.P., P. Sanchez-Blazquez, R. Bender, L. Simard, V. Desai, A. Aragon-Salamanca, B. Milvang-Jensen, C. Halliday, P. Jablonka, S. Noll, B. Poggianti, D.I. Clowe, G. de Lucia, R. Pello, G. Rudnick, T. Valentiniuzzi, S.D.M. White and D. Zaritsky: Evolution of spectral early-type galaxies (Saglia+, 2010). *VODC* 352, 49006 (2011).
- Schawinski, K., C. Lintott, D. Thomas, M. Sarzi, D. Andreescu, S.P. Bamford, S. Kaviraj, S. Khochfar, K. Land, P. Murray, R.C. Nichol, M.J. Raddick, A. Slosar, A. Szalay, J. Vandenberg and S.K. Yi: Blue early-type galaxies in Galaxy Zoo (Schawinski+, 2009). *VODC* 739, 60818 (2011).
- Siebert, A., M. Williams, A. Siviero, W. Reid, C. Boeche, M. Steinmetz, J. Fulbright, U. Munari, T. Zwitter, F.G. Watson, R.F.G. Wyse, R.S. de Jong, H. Enke, B. Anguiano, D. Burton, C.J.P. Cass, K. Fiegert, M. Hartley, A. Ritter, K.S. Russel, M. Stupar, O. Bienayme, K.C. Freeman, G. Gilmore, E.K. Grebel, A. Helmi, J.F. Navarro, J. Binney, J. Bland-Hawthorn, R. Campbell, B. Famaey, O. Gerhard, B.K. Gibson, G. Matijevic, Q.A. Parker, G.M. Seabroke, S. Sharma, M.C. Smith and E. Wylie-de Boer: RAVE 3rd data release (Siebert+, 2011). *VODC* 3265, 0 (2011).
- Stiele, H., W. Pietsch, F. Haberl, D. Hatzidimitriou, R. Barnard, B.F. Williams, A.K.H. Kong and U. Kolb: Deep XMM-Newton Survey of M31 (Stiele+, 2011). *VODC* 353, 49055 (2011).
- Sturm, R., F. Haberl and W. Pietsch: Swift J053041.9-665426 is most likely a Be/X-ray binary. *The Astronomer's Telegram* 3753, 1 (2011).
- Sturm, R., F. Haberl and W. Pietsch: Swift J053041.9-665426: a new LMC X-ray transient. *The Astronomer's Telegram* 3747, 1 (2011).
- Sturm, R., F. Haberl, W. Pietsch and A. Udalski: 2XMM J010247.4-720449 is a Be/X-ray binary, detected in outburst with Swift. *The Astronomer's Telegram* 3761, 1 (2011).
- Sturm, R., F. Haberl, W. Pietsch and S. Immler: IGR J05414-6858 detected in X-ray outburst with SWIFT. *The Astronomer's Telegram* 3537, 1 (2011).
- Sturm, R., F. Haberl, W. Pietsch, S. Immler and A. Udalski: New SWIFT X-ray transient in the SMC: A new Be/X-ray binary?. *The Astronomer's Telegram* 3575, 1 (2011).
- Sudilovsky, V., J. Elliott, F. Olivares E. and J. Greiner: GRB 110223B: GROND detection of optical afterglow candidate. *GCN Circ.* 11756, 1 (2011).
- Sudilovsky, V., J. Greiner, A. Rau and S. Klose: GRB 110825A: GROND observations. *GCN Circ.* 12403, 1 (2011).
- Tierney, D. and A. von Kienlin: GRB 110721A: Fermi GBM detection. *GCN Circ.* 12187, 1 (2011).
- Tullmann, R., T.J. Gaetz, P.P. Plucinsky, K.D. Kuntz, B.F. Williams, W. Pietsch, F. Haberl, K.S. Long, W.P. Blair, M. Sasaki, P.F. Winkler, P. Challis, T.G. Pannuti, R.J. Edgar, D.J. Helfand, J.P. Hughes, R.P. Kirshner, T. Mazeh and A. Shporer: M33 Chandra ACIS survey: final catalog (Tullmann+, 2011). *VODC* 219, 30031 (2011).
- Utdike, A., J. Greiner, T. Kruehler, F. Schrey, A. Nicuesa Guelbenzu and S. Klose: GRB 110319B: GROND upper limits. *GCN Circ.* 11815, 1 (2011).
- Utdike, A.C., F. Olivares E., J. Greiner and D.A. Kann: GRB 110709B: GROND detection of an afterglow candidate. *GCN Circ.* 12129, 1 (2011).
- Utdike, A.C., P. Schady, J. Greiner, T. Kruehler, D.A. Kann, S. Klose and A. Rossi: GRB110715A: GROND detection of the Optical/NIR afterglow. *GCN Circ.* 12169, 1 (2011).
- Vasileiou, V., F. Piron, D. Tierney, A. von Kienlin, S. Guiricé and J.L. Racusin: GRB 110721A: Fermi-LAT detection. *GCN Circ.* 12188, 1 (2011).
- von Kienlin, A. and C. Kouveliotou: Swift J1822.3-1606: Fermi GBM observation. *GCN Circ.* 12179, 1 (2011).
- von Kienlin, A.: Fermi gamma-ray burst monitor trigger 328195911 is not a GRB. *GCN Circ.* 12042, 1 (2011).
- von Kienlin, A.: Fermi gamma-ray burst monitor trigger 332078586 is not a GRB. *GCN Circ.* 12147, 1 (2011).
- von Kienlin, A.: GRB 110207A: Fermi GBM observation. *GCN Circ.* 11671, 1 (2011).
- von Kienlin, A.: GRB 110705A: Fermi GBM detection. *GCN Circ.* 12108, 1 (2011).
- Xue, Y.Q., B. Luo, W.N. Brandt, F.E. Bauer, B.D. Lehmer, P.S. Broos, D.P. Schneider, D.M. Alexander, M. Brusa, A. Comastri, A.C. Fabian, R. Gilli, G. Hasinger, A.E. Hornschemeier, A. Koekemoer, T. Liu, V. Mainieri, M. Paolillo, D.A. Rafferty, P. Rosati, O. Shemmer, J.D. Silverman, I. Smail, P. Tozzi and C. Vignali: The CDF-S survey: 4Ms source catalogs (Xue+, 2011). *VODC* 219, 50010 (2011).
- Yasuda, T., Y. Terada, M. Tashiro, W. Iwakiri, K. Takahara, T. Uehara, Y. Hanabata, T. Takahashi, M. Mizuno, M. Ohno, Y. Fukazawa, S. Sugita, K. Yamaoka, M. Kokubun, T. Takahashi, Y.E. Nakagawa, N. Ohmori, M. Akiyama, M. Yamauchi, Y. Urata, P. Tsai, C.-J. Chuang, K. Nakazawa, K. Makishima and A. von Kienlin: GRB 110705A: Suzaku WAM observation of the prompt emission. *GCN Circ.* 12114, 1 (2011).

Poster

- Antonova, T. et al.: Expansion of plasma with dust particles, 18th International Colloquium on Plasma Processes, Nantes, France, July 2011.
- Berta, S. et al.: Building the CIB brick by brick, Star Formation in Galaxies: The Herschel Era, Ringberg, Germany, June 2011.
- Bruderer, S. et al.: High-J CO emission in young stellar objects: Disks and Outflow walls! FUV or Shocks?, IAU Symposium 280: The Molecular Universe, Toledo, Spain, May 2011.
- Brunner, H. et al.: Simulating the eROSITA sky: exposure, sensitivity, and data reduction, First eROSITA International Conference: Mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Brunner, H. et al.: eROSITA: all-sky survey data reduction, source characterization, and X-ray catalogue creation, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Brunner, H. et al.: eROSITA: an X-ray all-sky survey telescope, IAU Symposium 284: The spectral energy distribution of galaxies, Lancaster, UK, September 2011.
- Chaudhuri, M. et al.: Corresponding states principle for strongly interacting particle systems, Jülich Soft Matter Days 2011, Bonn, Germany, November 2011.
- Chaudhuri, M. et al.: Experimental analysis of surface wave in complex plasmas under microgravity condition onboard ISS, 6th International Conferences on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Chaudhuri, M. et al.: Experimental determination of particle charge in collisional plasma, 6th International Conferences on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Contursi, A. et al.: Herschel-PACS FIR lines mapping of M82, "Star Formation in Galaxies: the Herschel Era", Ringberg, Germany, June 2011.
- Guglielmetti, F. et al.: Applying the BSS algorithm to eROSITA simulated datasets., The X-ray Universe 2011, Berlin, Germany, June 2011.
- Guglielmetti, F. et al.: Applying the BSS algorithm to the Chandra Deep Field South data, Statistical Challenges in Modern Astronomy V, Penn State University, State College, PA, USA, June 2012.
- Guglielmetti, F. et al.: The Background-Source Separation algorithm - feasibility studies for the eROSITA mission, First eROSITA International Conference: Mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Haerendel, G.: Birth and Life of Auroral Arcs Embedded in the Evening Auroral Oval, AGU Fall Meeting, San Francisco, USA, December 2011.
- Karska, A. et al.: Herschel/PACS observations of Class 0/low-mass young stellar objects, The Molecular Universe (IAU Symposium 280), Toledo, Spain, June 2011.
- Khrapak, S.A. et al.: Freezing and melting of 3D complex plasma structures driven by neutral gas pressure manipulation in PK-3 Plus experiment, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Khrapak, S.A.: Universality of the melting curves for the broad range of interaction potentials, 8th Liquid Matter Conference, Wien, Austria, September 2011.
- Klumov, B.A. et al.: Structural properties of dense hard sphere packings, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Kretschmer, M. et al.: Lane Formation in a Complex DC Plasma in Microgravity, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Kretschmer, M. et al.: Self-Organization in μg Complex Plasmas: Lane Formation, 4th International Symposium on Physical Sciences in Space, Bonn-Bad Godesberg, Germany, July 2011.
- Magnelli, B.: Far-infrared properties of SMGs, Star Formation in Galaxies: The Herschel Era, Ringberg, Germany, June 2011.
- Nosenko, V. et al.: Shear Melting and Shear Flows in a 2D Complex (Dusty) Plasma, Workshop on Dynamics in Viscous Liquids III, Rome, Italy, March/April, 2011.
- Orban de Xivry, G. et al.: The ARGOS wavefront sensor pnCCD camera for an ELT, Second International Conference on Adaptive Optics for Extremely Large Telescopes, Victoria, Canada, September 2011.
- Raeth, C. et al.: Correlating Cosmological Probes using the Mutual Information, First eROSITA International Conference: Mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Rau, A. et al.: New Redshift Constraints for 130 LAT Blazars, 3rd Fermi Symposium, Rome, Italy, May 2011.
- Scholer, M. et al.: Very high Mach number quasi-perpendicular collisionless shocks, AGU Fall Meeting, San Francisco, USA, December 2011.
- Schwabe, M. et al.: Crystallization fronts in 3d complex plasmas in microgravity, 38th EPS Plasma Physics Conference, Strasbourg, France, June 2011.
- Schwabe, M. et al.: Direct measurement of the speed of sound in a complex plasma under microgravity conditions, Sixth International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Shimizu, S. et al.: Production of water ice particles in a plasma chamber, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Sidorenko, I. et al.: Evaluation of the Topological and Mor-

- phological Characteristics of the LSS During Evolution Process by Means of Minkowski Functionals, Neural Information Processing Systems (NIPS), Granada, Spain, December 2011.
- Strong, A.W. et al.: Synchrotron constraints on cosmic-ray electrons, 3rd Fermi Conference, Rome, Italy, May 2011.
- Sturm, R. et al.: The Small Magellanic Cloud in the eROSITA survey, First eROSITA International Conference: Mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Sturm, R. et al.: The XMM-Newton survey of the SMC: The point source catalogue, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Thoma, M.H. et al.: PK-4: Complex Plasmas in a DC Discharge under Microgravity, 4th International Symposium on Physical Sciences in Space (ISPS-4), Bonn, Germany, July 2011.
- Thomas, H.M. et al.: PK-3 Plus: 5 Years of Complex Plasma Research on the International Space Station, 4th International Symposium on Physical Sciences in Space, Bonn, Germany, July 2011.
- Thomas, H.M. et al.: Plasmadekontamination von Raumfahrtbauteilen, 15. Fachtagung für Plasmatechnologie, Stuttgart, Germany, February 2011.
- Thomas, H.M. et al.: Shear flow instability observed in highly dissipative complex plasma, APS-Division of Plasma Physics Meeting, Salt Lake City, USA, November 2011.
- Weidenspointner, G. et al.: Practical experience from operating the imaging pnCCD detectors of the CAMP instrument at LCLS, SPIE: Advances in X-ray free-electron lasers: Radiation Schemes, X-ray optics, and Instrumentation, Prague, Czech Republic, April 2011.
- Weidenspointner, G. et al.: Strategy for calibrating the non-linear pixel characteristic of the DSSC detector for XFEL, IEEE Nuclear Science Symposium and Medical Imaging Conference, Valencia, Spain, October 2011.
- Weißmann, A. et al.: Structural analysis of galaxy clusters: Substructure estimators and applications, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Wuyts, S.: Galaxy structure and mode of star formation in the SFR-Mass plane from $z \sim 2.5$ to $z \sim 0.1$, Durham University, Durham, UK, July 2011.
- Wuyts, S.: On star formation rates and star formation histories of galaxies out to $z \sim 3$, Aspen workshop on galaxy evolution, Aspen, USA, March 2011.
- Zhdanov, S. et al.: Diagnostics of naturally excited waves in a dynamically active complex (dusty) plasma, EGU General Assembly 2011, Vienna, Austria, April 2011.
- Zhdanov, S. et al.: Naturally excited waves in a dynamically active complex (dusty) plasma, 38th Conference on Plasma Physics, Strasbourg, France, June 2011.
- Ziaepour, H.: Discriminating between dark energy models with Euclid, Euclid Science Meeting, Bologna, Italy, September 2011.

Vorträge

- Becker, W.: Gravitationswellen und deren Nachweis, public talk, Volkssternwarte Göttingen, Göttingen, Germany, January 2011.
- Becker, W.: SNRs, ISM, Diffuse Galactic Background, contributed talk, eROSITA Consortium Meeting, Tübingen, Germany, February 2011.
- Becker, W.: Studying Neutron Stars with IXO and eROSITA, contributed talk, IXO Science Meeting, Rome, Italy, March 2011.
- Becker, W.: The eROSITA All-Sky Survey, invited talk, Guillermo Haro 2011 Workshop: Surveying the gamma-ray sky, Tonantzintla, Mexico, July 2011.
- Becker, W.: Pulsars in X-rays, invited talk, APRIM 2011: 11th Asian-Pacific Regional IAU Meeting, Chiang Mai, Thailand, July 2011.
- Bernhardt, M.G.: Autonomous Spacecraft Navigation Based on Pulsar Timing Information, contributed talk, 2nd International Conference on Space Technology, Athens, Greece, September 2011.
- Berta, S.: Herschel/PEP: Not only high- z star formation, contributed talk, FIR2011: Star formation and feedback in galaxies as revealed by far infrared and submillimeter wavelengths, London, England, September 2011.
- Berta, S.: The properties of Herschel/PEP star forming galaxies, contributed talk, Through the Infrared Looking Glass: A Dusty View of Galaxy and AGN Evolution, Pasadena, USA, October 2011.
- Böhringer, H.: Der Dunklen Energie auf der Spur, public talk, MPE Open House, Garching, Germany, October 2011.
- Boller, Th.: Anfang und Ende des Universums, public talk, Rotary Club Munich Airport, München Flughafen, Germany, April 2011.
- Boller, Th.: Astronomie in der Grundschule, public talk, Grundschule Hallbergmoos, Hallbergmoos, Germany, May 2011.
- Boller, Th.: Das Schicksal des Universums: Wie alles begann, wie alles endet, public talk, Westsächsische Hochschule Zwickau, Zwickau, Germany, June 2011.
- Boller, Th.: Explaining the global X-ray Baldwin effect with XMM-Newton, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Boller, Th.: Inner disc reflection and AGN accretion states: AGN review, invited talk, Frascati Workshop 2011: Multifrequency Behaviour of High Energy Cosmic Sources, Vulcano, Italy, May 2011.
- Boller, Th.: Probing the Strong and Weak Field Limit in Active Galaxies with soft X-rays, invited talk, Second Interna-

- tional Symposium on strong magnetic fields and neutron stars, SMFNS2011, Varadero, Cuba, May 2011.
- Boller, Th.: Prospects in testing General Relativity Theories in the strong field limit, invited talk, Symposium on Exciting Physics: quarks and gluons, atomic nuclei, biological systems, networks, Makutsi Safari Farm, South Africa, November 2011.
- Boller, Th.: Prospects in testing General Relativity theories in the strong field limit, colloquium, Colloquium of the Institute of Advanced Studies, FIAS, Frankfurt, Germany, October 2011.
- Boller, Th.: Testing GR theories in the strong field limit, invited talk, First Caribbean Symposium on Cosmology, Gravitation, Nuclear and Astroparticle Physics, STARS2011, Havana, Cuba, May 2011.
- Boller, Th.: The 4MOST Facility Simulator: System Specification and Timeline, invited talk, 4MOST Busy Week, Garching, Germany, December 2011.
- Boller, Th.: The 4MOST Facility Simulator: Work Package Description, Requirements, Timeline, invited talk, 4MOST Kick-off meeting, AIP Potsdam, Potsdam, Germany, September 2011.
- Boller, Th.: Unser Universum: Wie alles begann, wie alles endet, public talk, MPE Open House, Garching, Germany, October 2011.
- Brandt, P.: Tunable Potentials in Complex Plasmas, invited talk, ICPDP, Garmisch-Partenkirchen, Germany, May 2011.
- Brusa, M.: AGN evolution from large area & deep X-ray surveys, colloquium, INAF-Osservatorio Astronomico di Padova and Astronomy Department, Padua, Italy, April 2011.
- Brusa, M.: AGN evolution from large area and deep X-ray surveys, invited talk, JENAM2011 EAS Symposium: "Combined Radio/X-rays Approaches to Relativistic Astrophysics", Saint Petersburg, Russia, July 2011.
- Brusa, M.: Challenges for identifications of ATHENA high-z AGN, contributed talk, ATHENA Science Workshop, Garching bei München, Germany, June 2011.
- Brusa, M.: First AGN, invited talk, First Objects, Marseille, France, May 2011.
- Brusa, M.: Perspectives of IXO followup of E-Rosita sources, contributed talk, IXO science meeting: Present status and future prospects in X-ray Astronomy, Rome, Italy, March 2011.
- Brusa, M.: The search for obscured AGN in the COSMOS and CDFS survey, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Brusa, M.: The stabrust-AGN connection: a causal relation?, invited talk, The Starburst-AGN connection, ESAC-Vilspa, Spain, September 2011.
- Brusa, M.: What we have learned about the identification of X-ray sources: the lesson from the COSMOS X-ray surveys, contributed talk, First International eROSITA conference, Garmisch-Partenkirchen, Germany, October 2011.
- Bunk, W.: Quantitative Analysis of Bacterial Colonies in Images of Petri Dishes, invited talk, International Workshop on Plasma Medicine, Ringberg Castle, Germany, October 2011.
- Collmar, W.: The MeV Point-Source Sky during the COMPTEL Mission, invited talk, COMPTEL Miniworkshop, Würzburg, Germany, February 2011.
- Collmar, W.: Erde, Sonne, Mond und Sterne: Eine Reise ins Weltall, public talk, Montessori Schule München, München, Germany, July 2011.
- Collmar, W.: Das MPE und seine Wissenschaft, public talk, Max-Planck-Tag am MPE, MPE, Garching, Germany, November 2011.
- Dalla Vecchia, C.: From OWLS to FiBY: numerical simulations of galaxy formation and evolution, colloquium, Texas Cosmology Center, Austin, USA, October 2011.
- Dalla Vecchia, C.: The First Billion Years simulation. The oldest population of globular clusters. Hints from high redshift., invited talk, First galaxies, Ringberg, Germany, June-July 2011.
- Davies, R.: Cosmic Evolution of NLS1s and the Growth of their Black Holes, contributed talk, Narrow Line Seyfert 1 Galaxies and their Place in the Universe, Milan, Italy, April 2011.
- Davies, R.: Do stars contribute to AGN fuelling?, invited talk, The Starburst-AGN Connection under the Multiwavelength Limelight, Madrid, Spain, September 2011.
- Davies, R.: Do stellar winds play a decisive role in feeding AGN, invited talk, The Central Kiloparsec in Galactic Nuclei, Bad Honnef, Germany, August 2011.
- Davies, R.: Science Driven AO Performance Metrics, contributed talk, Adaptive Optics for Extremely Large Telescopes II, Victoria, Canada, September 2011.
- Davies, R.: Science from VLT: Adaptive Optics Observations, invited talk, European Interferometry Initiative: AGNs and the Galactic Center, Lisbon, Portugal, November 2011.
- Davies, R.: Star Formation around local AGN, invited talk, Star Formation in Galaxies: The Herschel Era, Ringberg, Germany, June 2011.
- Davies, R.: The Impact of Nuclear Star Formation on Gas Inflow to AGN, colloquium, Osservatorio Astrofisico di Arcetri, Florence, Italy, January 2011.
- Dennerl, K.: Comets, charge exchange, and a novel look at the X-ray universe, invited talk, Munich Joint Astronomy Colloquium, ESO, Garching, Germany, September 2011.
- Dennerl, K.: Impact of the low energy threshold on the spatial resolution and spectral properties of X-ray CCDs, contributed talk, International Astronomical Consortium for High Energy Calibration (IACHEC), Villa Grazioli (Grottaferrata), Italy, April 2011.
- Dennerl, K.: Kometen und Planeten in neuem Licht: unser Sonnensystem im Röntgenteleskop, public talk, Teleskoptreffen der Astronomischen Gesellschaft Graubünden, Faleria, Switzerland, September 2011.
- Dennerl, K.: The potential of eROSITA for Charge Exchange Astrophysics, contributed talk, First eROSITA In-

- ternational Conference, Garmisch-Partenkirchen, Germany, October 2011.
- Dennerl, K.: X-rays from Planetary Exospheres - What we can Learn, invited talk, AAS 218: 12 Years of Science with Chandra, Boston, USA, May 2011.
- Dennerl, K.: eROSITA Working Group: Solar System, contributed talk, 4th eROSITA Consortium Meeting, Tübingen, Germany, February 2011.
- Diehl, R.: Cosmic Radioactivity, Astronomy with Gamma-Rays, and the Galactic Environment of our Sun, colloquium, MPS Science Colloquium, Katlenburg-Lindau, Germany, July 2011.
- Diehl, R.: Kosmische Radioaktivität und Astronomie mit Gammastrahlung, colloquium, Physik-Kolloquium der TU Berlin, Berlin, Germany, November 2011.
- Diehl, R.: Massive-Star Aspects of Chemical Evolution, invited talk, ESF EuroGenesis Workshop on Cosmic Dust, Wien, Austria, November 2011.
- Diehl, R.: Massive-Star Impacts on Surrounding ISM, invited talk, ESF EuroGenesis Workshop on Chemical Evolution, Basel, Switzerland, November 2011.
- Diehl, R.: Measuring Gamma-Ray Lines from Cosmic Sources, invited talk, VI. European Summer School on Experimental Nuclear Astrophysics, Santa Tecla, Italy, September 2011.
- Diehl, R.: Nucleosynthesis and Gamma-Ray Line Spectroscopy with INTEGRAL, invited talk, Science Workshop "The Extreme and Variable High Energy Sky", Chia Laguna, Italy, September 2011.
- Diehl, R.: Nucleosynthesis in Massive Stars and Supernovae, invited talk, EMMI Workshop on Space Opportunities in Nuclear Astrophysics, Darmstadt, Germany, December 2011.
- Diehl, R.: Origin and Evolution of Chemical Elements: RA-G Summary Report, invited talk, Science Week of the Universe Cluster of Excellence, Garching, Germany, December 2011.
- Diehl, R.: Radioactive Isotopes in our Nearby Galactic Environment, invited talk, Lorentz Center Workshop "Isotopes in Astrochemistry", Leiden, Netherlands, December 2011.
- Diehl, R.: Radioactivities and Massive-Star Feedback, contributed talk, VIIth Int. Workshop "Astronomy with Radioactivities", Phillip Island, Australia, March 2011.
- Diehl, R.: Radioactivities as a Tool: Massive Stars and Supernovae, invited talk, Science Day of Research Area G, Universe Cluster of Excellence, Garching, Germany, May 2011.
- Dodds-Eden, K.: The Galactic Center, invited talk, Sledging Down the Black Hole's Potential Well, Sesto Pusteria, Italy, July 2011.
- Dodds-Eden, K.: Time dependent models for the near-infrared and X-ray flares from Sgr A*, invited talk, The Emerging, Multi-wavelength Picture of the Galactic Center environment, Heidelberg, Germany, October 2011.
- Dodds-Eden, K.: What is behind the near-infrared and X-ray flares from Sgr A*?, colloquium, ESO Vitacura Office, Santiago, Chile, March 2011.
- Dodds-Eden, K.: What is behind the near-infrared and X-ray flares from Sgr A*?, colloquium, Observatoire Astronomique de Strasbourg, Strasbourg, France, January 2011.
- Eisenhauer, F.: GRAVITY, invited talk, Ten Years of VLTI Conference: from first fringes to core science, Garching, Germany, October 2011.
- Eisenhauer, F.: GRAVITY: Probing Physics Close to the Event Horizon of the Galactic Center Black Hole, colloquium, Observatory of Strasbourg, Strasbourg, France, January 2011.
- Eisenhauer, F.: GRAVITY: Probing Strong Gravity with the VLT Interferometer, invited talk, European Southern Observatory, Garching, Germany, April 2011.
- Eisenhauer, F.: GRAVITY's fatal attraction, colloquium, Max-Planck-Institute for Astronomy, Heidelberg, Germany, July 2011.
- Eisenhauer, F.: The Galactic Center: A short review, a sneak peek at selected recent papers, and real-time observations of an in-falling gas cloud, invited talk, EII working group meeting on AGNs and the galactic center, Lisbon, Portugal, November 2011.
- Fassbender, R.: Distant X-ray clusters and their applications with XMM-Newton and eROSITA, contributed talk, First eROSITA International Conference, Garmisch, Germany, October 2011.
- Fassbender, R.: Distant X-ray luminous Galaxy Clusters from the XDGP Survey, contributed talk, A New Generation of Galaxy Clusters Surveys, Sesto, Italy, July 2011.
- Fassbender, R.: Exploring the Properties of Galaxy Clusters in the First Half of the Universe, colloquium, Center for Astrophysics (CfA), Cambridge, USA, June 2011.
- Fassbender, R.: Galaxy Clusters in the First Half of Cosmic Time, colloquium, ESO Santiago, Santiago, Chile, January 2011.
- Fassbender, R.: Hunting for the most distant X-ray luminous galaxy clusters with XMM-Newton, colloquium, ESOC ESA Darmstadt, Darmstadt, Germany, November 2011.
- Fassbender, R.: The Most Distant Massive Galaxy Clusters, colloquium, Galaxy Clusters: the Crossroads of Astrophysics and Cosmology, Santa Barbara, USA, March 2011.
- Fassbender, R.: XMM-Newton's view of the highest redshift X-ray luminous galaxy clusters, contributed talk, The X-ray Universe 2011, Berlin, Germany, June.
- Fritz, T.: The extinction curve towards the Galactic Center, colloquium, Department of Astronomy and Astrophysics, Pontificia Universidad Católica de Chile, Santiago, Chile, July 2011.
- Fritz, T.: The extinction towards the galactic center and new determination of the distance to the Galactic Center, contributed talk, The Central Kiloparsec in Galactic Nuclei, Bad Honnef, Germany, September 2011.
- Förster Schreiber, N.M.: How well do we know stellar

- masses?, invited talk, Star Formation in Galaxies: The Herschel Era, Ringberg Castle, Germany, June 2011.
- Förster Schreiber, N.M.: SINFONI in COSMOS, invited talk, COSMOS Meeting 2011, Zürich, Switzerland, June 2011.
- Förster Schreiber, N.M.: The Growth of Galaxies at $z \sim 2$, colloquium, Munich Joint Astronomy Colloquium, Garching, Germany, April 2011.
- Förster Schreiber, N.M.: The Growth of Galaxies at $z \sim 2$, invited talk, Workshop Watching Galaxies Grow Up, Ringberg Castle, Germany, December 2011.
- Förster Schreiber, N.M.: The growth of galaxies at $z \sim 2$: insights from resolved kinematics, morphologies, and star formation, contributed talk, Conference on Galaxy Formation, Durham, United Kingdom, July 2011.
- Förster Schreiber, N.M.: The growth of massive galaxies at $z \sim 2$ from in-situ spatially-resolved observations, invited talk, Workshop on Galaxy Formation 2011, Ringberg Castle, Germany, April 2011.
- Genzel, R.: AGN and nuclear star cluster, invited talk, PhD school for particle physics (Herbstschule für Hochenergiephysik Maria Laach), Bautzen, Germany, September 2011.
- Genzel, R.: Basic Black Hole physics, invited talk, PhD school for particle physics (Herbstschule für Hochenergiephysik Maria Laach), Bautzen, Germany, September 2011.
- Genzel, R.: Galactic Center, invited talk, PhD school for particle physics (Herbstschule für Hochenergiephysik Maria Laach), Bautzen, Germany, September 2011.
- Genzel, R.: Galactic star formation at the peak of the galaxy formation epoch, invited talk, Santa Cruz Workshop, Santa Cruz, USA, August 2011.
- Genzel, R.: Galaxy evolution roadmap: What are the top ten questions, invited talk, Ringberg Castle Conference 'Star Formation in Galaxies: The Herschel Era', Kreuth, Germany, June 2011.
- Genzel, R.: Massive Black Holes and Galaxies, colloquium, Innsbruck Physics Lecture, Week of Physics, Innsbruck, Austria, October 2011.
- Genzel, R.: Massive Black Holes and Galaxies, invited talk, Annual Meeting of the Royal Swedish Academy of Sciences, Stockholm, Sweden, January 2011.
- Genzel, R.: Massive Black Holes and galaxies, invited talk, Michael West Public Lecture in Astronomy, Queen's University, Belfast, Northern Ireland, July 2011.
- Genzel, R.: Massive Schwarze Löcher - Monster in Galaxienzentren, public talk, Planetarium Mannheim, Mannheim, Germany, September 2011.
- Genzel, R.: Molecular gas and star formation in massive $z \sim 1-2$ galaxies, invited talk, Quarter Century of DLAs: Celebrating the Career of Arthur Wolfe, Ringberg Castle, Kreuth, Germany, July 2011.
- Genzel, R.: News from the Galactic Center, invited talk, Users Meeting (Anwendertreffen), Bruker Optik GmbH, Ettlingen, Germany, November 2011.
- Genzel, R.: Star formation and feedback at the peak of the galaxy formation activity: perspectives from physical processes, invited talk, LBT Science Conference: Star Formation Across Space and Time - Frontier Science with the LBT and Other Large Telescopes, Tucson, USA, April 2011.
- Genzel, R.: Star formation and feedback in galaxies at the peak of the galaxy formation epoch, invited talk, Ringberg Castle Conference: A Quarter Century of DLAs: Celebrating the Career of Arthur Wolfe, Seon, Germany, June 2011.
- Genzel, R.: Star formation and outflows in high-redshift galaxies, invited talk, Ringberg Castle Workshop on Galaxy Formation, Kreuth, Germany, April 2011.
- Genzel, R.: The Galactic Center and GRAVITY, invited talk, MRO (Madgalena Ridge Observatory) Workshop: Resolving the Future of Astronomy with Long-Baseline Interferometry, Socorro, USA, March 2011.
- Genzel, R.: The Massive Black Hole and Galaxies, invited talk, Karl Schwarzschild Medal of the Astronomische Gesellschaft (German Astronomical Society), Heidelberg, Germany, September 2011.
- Genzel, R.: The Massive Black Hole and Nuclear Star Cluster of the Milky Way, colloquium, Lund Observatory, Lund, Sweden, May 2011.
- Genzel, R.: The middle ages of galaxy evolution ($z=2-3$), invited talk, University of Durham, Durham, England, July 2011.
- Gerhard, O.E.: The Outer Halos of Nearby Elliptical Galaxies, invited talk, Galaxy Formation 2011, Schloss Ringberg, Kreuth, Germany, April 2011.
- Gerhard, O.E.: Bulge Morphology and Dark Matter Properties, invited talk, Assembling the Puzzle of the Milky Way, Grand Bornand, France, April 2011.
- Gerhard, O.E.: Outer Halo Dynamics, invited talk, Fornax, Virgo, Coma et al.: Stellar Systems in Nearby High Density Environments", ESO, Garching, Germany, June 2011.
- Gerhard, O.E.: Dark and Luminous Matter in the Outer Halos of Elliptical Galaxies, invited talk, Evolution of Galaxies, their Central Black Holes, and their Large-Scale Environment, Bad Honnef, Germany, July 2011.
- Gerhard, O.E.: Gas Flow as a Diagnostic of the Gravitational Field, invited talk, The Interstellar Medium in 3D, Leiden, The Netherlands, July 2011.
- Gerhard, O.E.: What is the Milky Way Bulge - and what is Missing in Our Knowledge, invited talk, Aspen Summer Workshop: The Galactic Bulge and Bar', Aspen, USA, August 2011.
- Gerhard, O.E.: The Stellar and Dark Matter Halos of Elliptical Galaxies, colloquium, Physics and Astronomy Department, University of Leicester, Leicester, UK, October 2011.
- Gillessen, S.: Experimental methods in the infrared: The key to the massive black hole in the Galactic Center, invited talk, Universidad Catolica, Santiago, Chile, 6.4.2011.
- Gillessen, S.: Flaring in Sgr A*, contributed talk, APEX

- Basecampe, San Pedro de Atacama, Chile, April 2011.
- Gillessen, S.: Flaring in Sgr A*, invited talk, OSF ALMA, San Pedro de Atacama, Chile, April 2011.
- Gillessen, S.: Flaring in Sgr A*, invited talk, Seoul National University, Seoul, Korea, October 2011.
- Gillessen, S.: Good astronomy talks - Considerations from a professional astronomer, invited talk, CAP-Meeting, Beijing, China, October 2011.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität, public talk, EAA-Forum - Universität der Bundeswehr München, Munich, Germany, October 2011.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität, public talk, IF-Forum, Interface AG, Unterhaching, Germany, March 2011.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität, public talk, Lions-Club, Wolfratshausen, Germany, November 2011.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, Planetarium Stuttgart, Stuttgart, Germany, January 2011.
- Gillessen, S.: The Galactic Center - A unique laboratory, colloquium, Observatoire Astronomique de l'Université de Genève, Geneva, Switzerland, May 2011.
- Gillessen, S.: The Galactic Center - A unique laboratory, invited talk, NAOC - National Astronomical Observatory China, Beijing, China, October 2011.
- Gillessen, S.: The Galactic Center - A unique laboratory, invited talk, AstroGR-Meeting, Palma de Mallorca, Spain, September 2011.
- Gillessen, S.: The power of monitoring stellar orbits, invited talk, Kavli-Institute KIAA, Beijing, China, October 2011.
- Gillessen, S.: The power of precision - Stellar orbits around Sgr A*, invited talk, COST-Meeting, Bologna, Italy, April 2011.
- Graciá-Carpio, J.: Far-infrared Emission Lines in Galaxies: The SHINING Contribution to the Understanding of General Trends, contributed talk, 9th Sino-German Workshop on Galaxy Formation and Cosmology, Hangzhou, China, May 2011.
- Graciá-Carpio, J.: PDR (and HII) Spectroscopy of Star Forming Galaxies with Herschel, invited talk, Star Formation in Galaxies: The Herschel Era, Ringberg, Germany, June 2011.
- Graciá-Carpio, J.: SHINING: studying physical processes in the interstellar media of galaxies, invited talk, Through the Infrared Looking Glass: A Dusty View of Galaxy and AGN Evolution, Pasadena, USA, October 2011.
- Graciá-Carpio, J.: SHINING: studying physical processes in the interstellar media of galaxies, invited talk, JENAM 2011, Saint Petersburg, Russia, July 2011.
- Granato, S.: The spectral redistribution function of eROSITA PNCCDs, contributed talk, 2011 IEEE Nuclear Science Symposium and Medical Imaging Conference, Valencia, Spain, October 2011.
- Greiner, J.: Late-time variability as seen with GROND, contributed talk, The Prompt Activity of Gamma-Ray Bursts, Raleigh, USA, March 2011.
- Greiner, J.: GROND view of dark bursts and the related bias in host galaxy properties, invited talk, GRBs as probes, Como, Italy, May 2011.
- Greiner, J.: Capabilities of GROND, contributed talk, LO-FAR Transient Key Program Team Meeting, Amsterdam, The Netherlands, June 2011.
- Greiner, J.: Coordinated Swift and GROND observations, invited talk, Time-Domain Astrophysics with Swift, Clemson, USA, October 2011.
- Guglielmetti, F.: Bayesian mixture models for Poisson astronomical images, invited talk, Statistical Challenges in Modern Astronomy V, Penn State University, State College PA, USA, Juni 2011.
- Haberl, F.: BeXRBs in external galaxies compared to the Milky Way population, invited talk, BeXRB 2011, Valencia, Spain, July 2011.
- Haberl, F.: The XMM-Newton survey of the Small Magellanic Cloud, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Haberl, F.: The remarkable High Mass X-ray Binary Population of the SMC, colloquium, Astronomisches Institut Universität Jena, Jena, Germany, January 2011.
- Haberl, F.: X-ray Source Populations in Local Group Galaxies, invited talk, Frascati Workshop 2011: Multifrequency Behaviour of High Energy Cosmic Sources, Vulcano, Italy, May 2011.
- Haberl, F.: X-ray Source Populations of Local Group Galaxies - Prospects for eROSITA, contributed talk, First International eROSITA conference, Mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Haberl, F.: X-ray source population studies of Local Group Galaxies, colloquium, Observatoire Astronomique de Strasbourg, Strasbourg, France, February 2011.
- Haerendel, G.: Hard X-rays from Solar Auroras?, invited talk, Physics 290B Seminar, University of California, Berkeley, April 2011.
- Haerendel, G.: Hard X-rays from Solar Auroras?, colloquium, Space Science Laboratory, University of California, Berkeley, April 2011.
- Haerendel, G.: Fascinating Plasma Structures: comet tails, auroral arcs, and solar prominences, colloquium, Physics Colloquium, Dartmouth College, Hanover, NH, USA, September 2011.
- Haerendel, G.: Auroral Generators – An Overview, colloquium, Dartmouth College, Hanover, NH, USA, October 2011.
- Haerendel, G.: Experiments with Plasma Clouds, colloquium, Dartmouth College, Hanover, NH, USA, October 2011.
- Haerendel, G.: Solar Auroras, colloquium, Goddard Space Flight Center, Greenbelt, MD, USA, October 2011.

- Haerendel, G.: Electromagnetic Power Flows in MI Coupling: origins, spatial scales, and conversion processes, invited talk, AGU Fall Meeting, San Francisco, December 2011.
- Henze, M.: Classical novae as supersoft X-ray sources in the Andromeda galaxy M31, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Henze, M.: Classical novae as supersoft X-ray sources in the Andromeda galaxy M31, invited talk, Binary paths to type Ia supernovae explosions, Padova, Italy, July 2011.
- Henze, M.: X-ray Monitoring of Classical Novae in the Central Region of M 31, invited talk, The Golden Age of Cataclysmic Variables and Related Objects, Palermo, Italy, September 2011.
- Herczeg, G.: The DAO of Tau: Disks, Accretion, and Outflows in an FUV Survey of T Tauri Stars, contributed talk, American Astronomical Society Meeting, Seattle, WA, USA, January 2011.
- Herczeg, G.: Observational Diagnostics of Magnetospheric Accretion, colloquium, Lowell Observatory, Flagstaff, AZ, USA, March 2011.
- Herczeg, G.: Observational Diagnostics of Magnetospheric Accretion, colloquium, Kavli Institute for Astronomy and Astrophysics, Beijing, China, April 2011.
- Herczeg, G.: The DAO of Tau: Disks, Accretion, and Outflows in an FUV Survey of T Tauri Stars, invited talk at Star Formation through Spectroimaging at High Angular Resolution Workshop, Taipei, Taiwan, June 2011.
- Herczeg, G.: Observational Diagnostics of Magnetospheric Accretion, colloquium, Academia Sinica Institute for Astronomy and Astrophysics, Taipei, Taiwan, June 2011.
- Herczeg, G.: Highly Excited Molecular Emission from the Outflow of the Class 0 Protostar IRAS 4B, colloquium, University of Exeter, Exeter, UK, November 2011.
- Ilev, A.V.: Melting of 2D Plasma Crystals: Wake-mediated Mode Coupling Instability, invited talk, Strongly Coupled Coulomb Systems 2011, Budapest, Hungary, July 2011.
- Kanbach, G.: Astronomy on shortest timescales: Observations and results from the optical photo-polarimeter OPTIMA, colloquium, KTH, Dept. of Physics, Stockholm, Sweden, March 2011.
- Kanbach, G.: Galactic Gamma-Ray Sources - Early Searches and the Current Status of Identification, colloquium, MPI f. Radioastronomie, Bonn, Germany, November 2011.
- Kanbach, G.: Gamma-Ray Astronomy, invited talk, 2011 Autumn School: Principles of Multiwavelength - High-Time Resolution Astrophysics (HTRA), Sant'sa Margherita di Pula, Sardinia, Italy, October 2011.
- Kanbach, G.: History and Status of MeV gamma ray astrophysics, invited talk, EMMI-Workshop on Opportunities for Nuclear Astrophysics in Space, GSI, Darmstadt, Darmstadt, Germany, December 2011.
- Kanbach, G.: MEGA, a concept for a MeV space telescope, invited talk, EMMI-Workshop on Opportunities for Nuclear Astrophysics in Space, GSI, Darmstadt, Darmstadt, Germany, December 2011.
- Kanbach, G.: Neue Astronomie - mit Satelliten vom 'sichtbaren' zum 'unsichtbaren' Universum, public talk, Rotary Club Friedrichshafen-Tettngang, Tettngang, Germany, December 2011.
- Kanbach, G.: Polarized Light: on Earth, on Balloons, and from Space, colloquium, KTH, Dept. of Physics, Stockholm, Sweden, April 2011.
- Karska, A.: Cooling budget in Class 0/I low-mass YSOs with PACS, contributed talk, "Water in star forming region with Herschel" key program team meeting, Leiden, The Netherlands, December 2011.
- Karska, A.: Polish participation in ESO, contributed talk, XXXV Polish Astronomical Society Meeting, Gdansk, Poland, September 2011.
- Karska, A.: PACS observations of Class 0/I low-mass Young Stellar Objects, contributed talk, "Water in star-forming regions with Herschel" (WISH) key program team meeting, Toledo, Spain, June 2011.
- Khochfar, S.: Back to the roots: Modeling galaxies as simple as possible, colloquium, University of Oxford, Oxford, UK, November 2011.
- Khochfar, S.: Build up of stellar mass in galaxies: Lessons from high redshifts, invited talk, Ringberg Workshop on Galaxy Formation 2011, Garching, Germany, April 2011.
- Khochfar, S.: Galaxy formation revisited: Can we run simulations without simulations?, colloquium, Stanford, Palo Alto, USA, September 2011.
- Khochfar, S.: Galaxy formation through cosmic times, colloquium, Oskar-Klein Lecture, Stockholm, Sweden, March 2011.
- Khochfar, S.: Growth spurting galaxies at high z, invited talk, Cosmological Streaming, Inflows and Outflows, Jerusalem, Israel, December 2011.
- Khochfar, S.: Super-Massive Black Holes through Cosmic Time, colloquium, University of Oxford, Oxford, UK, March 2011.
- Khochfar, S.: The FiBY simulation and growth of galaxies during their infancy, invited talk, The First Galaxies, Ringberg, Germany, June 2011.
- Khochfar, S.: The early assembly of galaxies, contributed talk, Young and Bright: Understanding High Redshift Structures, Potsdam, Germany, September 2011.
- Khrapak, S.A.: Approximate methods to locate phase boundaries in complex plasmas and related systems, contributed talk, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Khrapak, S.A.: Melting of Large 3D Complex Plasmas Structures under Microgravity Conditions, contributed talk, 38th EPS Conference on Plasma Physics, Strasbourg, France, July 2011.
- Khrapak, S.A.: Freezing and melting of complex plasma under microgravity: Towards detailed study of the phase diagram, contributed talk, German-Russian Symposium "10 Years of Complex Plasmas on ISS", Ringberg, Ger-

many, October 2011.

Khrapak, S.A.: Ionization instability of ion acoustic waves, contributed talk, 38th IOP Conference on Plasma Physics, North Berwick, UK, April 2011.

Khrapak, S.A.: Phase transitions in 3D complex plasmas driven by neutral gas pressure manipulation in PK-3 Plus experiment onboard ISS, contributed talk, 4th International Symposium on Physical Sciences in Space, Bad-Godesberg, Germany, July 2011.

Khrapak, S.A.: Predicting fluid-solid phase transition in complex plasmas and related strongly coupled systems, colloquium, Institute for Theoretical Physics II - Soft Matter, Düsseldorf, Germany, August 2011.

Klecker, B.: Iron charge distributions during the onset phase of large SEP events, contributed talk, 32nd Intern. Cosmic Ray Conf., Beijing, China, August 2011.

Klecker, B.: Das Reich der Sonne - unsere kosmische Heimat, public talk, Seminar "Heimatplanet Erde - eine Reise durch das Sonnensystem" der Hans-Seidel Stiftung, München, Germany, November 2011.

Kurk, J.: CL0322-2742, a galaxy group at $z=1.61$, H-alpha imaging, contributed talk, Leiden Observatory, Leiden, The Netherlands, December 2011.

Kurk, J.: CL0322-2742, a galaxy group at $z=1.61$, H-alpha imaging, contributed talk, University Observatory Vienna, Vienna, Austria, November 2011.

Landriau, M.: Scheduling HETDEX, contributed talk, HETDEX Science Meeting, State College, PA, USA, May 2011.

Lim, T.: TNOs are Cool: A Survey of the Transneptunian Region - Herschel-SPIRE Photometry of TNOs, contributed talk, European Geosciences Union General Assembly 2011, Vienna, Austria, April 2011.

Lutz, D.: A Herschel view on star formation in high redshift AGN hosts, contributed talk, The Starburst-AGN connection under the multiwavelength limelight, Villafranca, Spain, September 2011.

Lutz, D.: Evolution of Starbursts and AGN as seen in the Herschel era, invited talk, From Dust to Galaxies, Paris, France, June 2011.

Lutz, D.: PACS Evolutionary Probe PEP: Survey overview, invited talk, Watching galaxies grow up, Ringberg, Germany, December 2011.

Lutz, D.: $z \sim 2$ star formation as seen by Herschel-PACS, invited talk, Star Formation in Galaxies: The Herschel Era, Ringberg, Germany, June 2011.

Magnelli, B.: A Herschel view on the far-infrared properties of high-redshift galaxies, contributed talk, FIR2011: Star formation and feedback in galaxies as revealed by far-infrared and submillimeter wavelengths, London, England, September 2011.

Meidinger, N.: Status of the CCD camera for the eROSITA space telescope, contributed talk, UV, X-Ray, and Gamma-Ray Space Instrumentation for Astronomy XVII, San Diego, USA, August 2011.

Meidinger, N.: eROSITA CCD Detectors, contributed talk, First eROSITA International Conference: Mapping the

Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.

Merloni, A.: AGN feedback: Radiative vs. Kinetic Energy output, invited talk, JENAM2011 EAS Symposium: "Combined Radio/X-rays Approaches to Relativistic Astrophysics", St. Petersburg, Russia, July 2011.

Merloni, A.: Properties of Black Hole Accretion from AGN surveys, invited talk, From the Dolomites to the event horizon: Sledging Down the Black Hole's Potential Well, Sesto Pusteria, Italy, July 2011.

Merloni, A.: eROSITA: Clusters and AGN Surveys (and much more), invited talk, IXO Science Meeting: Present status and future prospects in X-ray Astronomy, Rome, Italy, March 2011.

Merloni, A.: eROSITA: Clusters and AGN Surveys (and much more), invited talk, Very Wide Field Surveys in Light of Astro2010, Baltimore, USA, June 2011.

Merloni, A.: eROSITA: Clusters and AGN Surveys, colloquium, Brera Observatory Colloquium, Milan, Italy, September 2011.

Mommert, M.: TNOs are Cool: A Survey of the Transneptunian Region - Physical Characterization of 14 Plutinos using PACS observations, contributed talk, European Geosciences Union General Assembly 2011, Vienna, Austria, April 2011.

Monetti, R.: Characterization of Plasma Induced Morphological Changes on SEM Images of Geobacillus Stearothermophilus Spores, invited talk, International Workshop on Plasma Medicine, Schloß Ringberg, Germany, October 2011.

Monetti, R.: Structure based classification of micro-CT images of human trabecular bone using local Minkowski Functionals, contributed talk, SPIE Medical Imaging 2011, Orlando, USA, February 2011.

Morfill, G.: Plasma Medizin - Funktion und Ergebnisse, invited talk, Workshop der Firma Draeger, Lübeck, Germany, January 2011.

Morfill, G.: Plasma Medicine and Hygiene, invited talk, 20th Conference "Medicine Meets Virtual Reality/Next-Med", Los Angeles, USA, February 2011.

Morfill, G.: Plasma Health Care, invited talk, Plasma Technologie (PT) 14, Stuttgart, Germany, March 2011.

Morfill, G.: 10 Jahre Plasmaforschung auf der ISS, invited talk, 10-Year ISS Symposium (ESA-DLR), Bonn, Germany, March 2011.

Morfill, G.: Plasmas in Medicine and Hygiene, invited talk, Electrochemical Society, Montreal, Canada, May 2011.

Morfill, G.: Plasma research on the international space station, colloquium, Bauman University, Moscow, Russia, June 2011.

Morfill, G.: Plasma Medizin, invited talk, Max Planck Forum, München, Germany, July 2011.

Morfill, G.: Plasma Medizin: aus dem Weltall zur Haut, colloquium, Schwabinger Krankenhaus, München, Germany, July 2011.

Morfill, G.: The Maxwell Prize Lecture, invited talk, 53rd

- Annual Meeting of the American Physical Society (Division of Plasma Physics), Salt Lake City, USA, November 2011.
- Morfill, G.: Plasma in Hygiene und Medizin - neue Wege, alte Ziele, invited talk, Fachtagung Plasmatechnologie PT15, Erfurt, Germany, December 2011.
- Müller, T.G.: Faszination Sonnensystem: Aus der Welt der kleinen und grossen Planeten, public talk, Festvortrag zur Einweihung des Traunsteiner Planetenwegs, Chiemgau-Gymnasium, Traunstein, Germany, October 2011.
- Müller, T.G.: Faszination Sonnensystem: Von kleinen Körpern und exotischen Welten, public talk, Tag der offenen Tür MPE, Garching, Germany, October 2011.
- Müller, T.G.: Makemake - A truly exotic TNO, contributed talk, EPSC-DPS Joint Meeting 2011, Nantes, France, October 2011.
- Müller, T.G.: NEA 162173 (1999 JU3): Constraining size, albedo, shape, thermal properties and spin-axis via thermophysical model techniques, contributed talk, EPSC-DPS Joint Meeting 2011, Nantes, France, October 2011.
- Müller, T.G.: TNOs are Cool: A Survey of the Transneptunian Region, colloquium, Universitäts-Sternwarte München, Munich, Germany, October 2011.
- Müller, T.G.: Thermophysical Modelling of Small Bodies, invited talk, ISSI Thermal emission meeting, Bern, Switzerland, October 2011.
- Nandra, K.: Adventures in the X-ray Universe, invited talk, MPG CPT-Section Meeting, Berlin, Germany, February 2011.
- Nandra, K.: The GRAVITAS mission, invited talk, Fast X-ray timing and spectroscopy at extreme count rates, Champéry, Switzerland, February 2011.
- Nandra, K.: The International X-ray Observatory, invited talk, ESA Cosmic Vision L-class mission presentations, Paris, France, February 2011.
- Nandra, K.: ATHENA, invited talk, 1st eROSITA International Conference – mapping the Structure of the Energetic Universe, Garmisch-Partenkirchen, Germany, October 2011.
- Nandra, K.: eROSITA aboard SRG, invited talk, HEAD Meeting, Newport, Rhode Island, USA, September, 2011.
- Nandra, K.: ATHENA: The Advanced Telescope for High Energy Astrophysics, invited talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Nandra, K.: ATHENA – Science overview, invited talk, 1st ATHENA Workshop, Garching, Germany, June 2011.
- Nandra, K.: X-ray Data in the CANDELS fields, invited talk, Candels Meeting, Edinburgh, UK, May 2011.
- Nandra, K.: IXO: Science Overview, invited talk, IXO Science Meeting – Present Status and Future Prospects in X-Ray Astronomy, Rome, Italy, March 2011.
- Neistein, E.: Hydro simulations and SAMs: two sides of the same coin, invited talk, Cosmological Streaming, Inflows and Outflows, Jerusalem, Israel, December 2011.
- Neistein, E.: Modeling the abundance and clustering of galaxies: limitations, complications, and freedom, colloquium, Harvard ITC, Boston, USA, June 2011.
- Neistein, E.: Modeling the abundance and clustering of galaxies: limitations, complications, and freedom, colloquium, NY University, New York, USA, June 2011.
- Neistein, E.: Modeling the abundance and clustering of galaxies: limitations, complications, and freedom, colloquium, Yale University, New Haven, USA, June 2011.
- Neistein, E.: What can we learn from the abundance and clustering of galaxies?, colloquium, Tel-Aviv University, Tel Aviv, Israel, November 2011.
- Neistein, E.: What can we learn from the abundance and clustering of galaxies?, colloquium, The Hebrew University, Jerusalem, Israel, December 2011.
- Neistein, E.: What can we learn from the abundance and clustering of galaxies?, colloquium, The Technion, Haifa, Israel, November 2011.
- Nosenko, V.: Microstructure of a sheared liquid complex (dusty) plasma, contributed talk, 10 Years of Complex Plasmas on ISS, Ringberg, Germany, October 2011.
- Nosenko, V.: New method of particle manipulation by rotating electric fields in complex (dusty) plasmas, contributed talk, 18th International Colloquium on Plasma Processes, Nantes, France, July 2011.
- Orban de Xivry, G.: Past & Present Secular Evolution in the Host Galaxies of NLS1s, contributed talk, Narrow Line Seyfert 1 Galaxies and their Place in the Universe, Milan, Italy, April 2011.
- Paardekooper, J.-P.: The escape of ionising radiation from galaxies during the epoch of reionisation, colloquium, Scuola Normale Superiore, Pisa, Italy, November 2011.
- Paardekooper, J.-P.: The escape of ionising radiation from galaxies during the epoch of reionisation, contributed talk, First Galaxies, Ringberg, Germany, June 2011.
- Pietsch, W.: Nova M31N 2007-12b: supersoft X-rays reveal an intermediate polar?, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Poglitsch, A.: Extragalactic Spectroscopy with Herschel/PACS, invited talk, JENAM-2011, EAS Symposium S7 "Far-Infrared Spectroscopy comes of age: the Herschel view", St. Petersburg, Russia, July 2011.
- Poglitsch, A.: Herschel - Europas neues Weltraumteleskop. Das Universum in einem anderen Licht, public talk, Öffentlicher Abendvortrag Anton-Bruckner-Gymnasium, Straubing, Germany, March 2011.
- Porro, M.: Development of the DSSC: a Large Format X-Ray Imager with MHz Readout Capability for the European XFEL, contributed talk, IEEE Nuclear Science symposium, Valencia, Spain, October 2011.
- Porro, M.: Development of the DSSC: a Large Format X-Ray Imager with MHz Readout Capability for the European XFEL, contributed talk, SPIE Optics + Optoelectronics 2011, Prague, Czech Republic, April 2011.
- Porro, M.: The DSSC project for XFEL: DEPFET and readout ASIC, contributed talk, 8th International Meeting on Front-End Electronics, Bergamo, Italy, May 2011.

- Porro, M.: VERITAS: a 128-Channel ASIC for the Readout of pnCCDs and DEPFET Arrays for X-Ray Imaging, Spectroscopy and X-Ray FEL Applications. Experimental Results and New Designs, contributed talk, IEEE Nuclear Science symposium, Valencia, Spain, October 2011.
- Predehl, P.: Röntgenastronomie, invited talk, Jahrestagung der Gesellschaft für angewandte Optik, Ilmenau, Germany, May 2011.
- Predehl, P.: eROSITA - auf der Jagd nach der Dunklen Energie, public talk, Teleskoptreffen der Astronomischen Gesellschaft Graubünden, Falera, Switzerland, September 2011.
- Predehl, P.: eROSITA - auf der Jagd nach der Dunklen Energie, public talk, Volksternwarte München, Munich, Germany, October 2011.
- Predehl, P.: eROSITA and ART-XC, THE SRG-MISSION, invited talk, JENAM-2011 European Week of Astronomy and Space Science, St. Petersburg, Russia, July 2011.
- Predehl, P.: eROSITA, a new all-sky X-ray Survey, invited talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Predehl, P.: eROSITA, contributed talk, First International eROSITA Science Conference, Garmisch-Partenkirchen, Germany, October 2011.
- Pustynnik, M.Y.: Approach to the understanding of the physical mechanism of the heartbeat instability, invited talk, 12th Workshop on Fine Particle Plasmas, Toki, Japan, November 2011.
- Pustynnik, M.Y.: High-Voltage Nanosecond Pulse Discharge in a Low-Pressure Preionized Medium, invited talk, Plasma Conference 2011, Kanazawa, Japan, November 2011.
- Pustynnik, M.Y.: High-voltage nanosecond pulse discharge in a low-pressure preionized medium, contributed talk, 38-th European Physical Society Conference on Plasma Physics, Strasbourg, France, June 2011.
- Raeth, C.: Probing non-Gaussianities in the cosmic microwave background by means of nonlinear data analysis techniques, contributed talk, 8th International Conference on Complex Systems, Boston, USA, June 2011.
- Raeth, C.: Probing scale-dependent non-Gaussianities in the WMAP data using surrogates, invited talk, JPL, Pasadena, USA, May 2011.
- Raeth, C.: Probing scale-dependent non-Gaussianities in the WMAP data using surrogates, invited talk, Primordial non-Gaussianity: Theory Confronts Observations, Ann Arbor, USA, May 2011.
- Raeth, C.: Review of the Workshop "Primordial non-Gaussianity: Theory Confronts Observations", invited talk, JPL, Pasadena, USA, May 2011.
- Raeth, C.: Revisiting the Copernican principle: Is the Universe really isotropic?, invited talk, 3rd Alpine Cosmology Workshop, St. Leonhardt, Austria, July 2011.
- Raeth, C.: Scale-dependent non-Gaussianities and asymmetries in the cosmic microwave background, contributed talk, PLANCK Joint Core Team Meeting, Bologna, Italy, November 2011.
- Rau, A.: The (Optical) Transient Sky, colloquium, Jacobs University Bremen, Jacobs University Bremen, Germany, March 2011.
- Rosario, D.: AGN Host Galaxies, contributed talk, PEP Team Meeting, Munich, Germany, September 2011.
- Rosario, D.: AGN Host Galaxies: Star formation and other fun stuff, contributed talk, CANDELS Workshop on Distant Galaxies, Sexten, Italy, June 2011.
- Rosario, D.: Evolution in The Growth Mode of SMBHs, contributed talk, Watching Galaxies Grow Up / MPIA Heidelberg, Schloss Ringberg, Germany, December 2011.
- Rosario, D.: PEP: Star Formation in AGN Host Galaxies, invited talk, Schloss Ringberg, Kreuth, Germany, June 2011.
- Saglia, R.: Die Suche nach extrasolaren Planeten, public talk, Ludwig-Maximilian Universität, Munich, Germany, June 2011.
- Saglia, R.: KIDS in Munich, contributed talk, KIDS Meeting, Leiden, The Netherlands, November 2011.
- Saglia, R.: Pan-STARRS1 - the Panoramic Survey Telescope and Rapid Response System, invited talk, DES Meeting, Portsmouth, UK, July 2011.
- Saglia, R.: Photometric redshifts for the ATLAS galaxies, invited talk, ATLAS Meeting, Durham, UK, December 2011.
- Saglia, R.: The Photometric Classification Server for Pan-Starrs: first science verification, invited talk, Boston Pan-starrs Science Meeting, Cambridge (Boston), USA, May 2011.
- Saglia, R.: The Photometric Classification Server for Pan-starrs1, contributed talk, EUCLID OU-PHZ Kick-off meeting, Geneve, Switzerland, November 2011.
- Saintonge, A.: A census of cold gas in nearby galaxies, invited talk, Star formation in galaxies: the Herschel era, Ringberg Castle, Germany, June 2011.
- Saintonge, A.: Gas and star formation scaling relations in the local Universe, invited talk, FIR2011: Star formation and feedback in galaxies, London, UK, September 2011.
- Saintonge, A.: Global star formation and gas scaling relations, invited talk, Gas in galaxies: from cosmic web to molecular clouds, Seeon, Germany, June 2011.
- Saintonge, A.: Molecular gas and star formation in massive galaxies, invited talk, Ringberg conference on galaxy formation, Ringberg Castle, Germany, April 2011.
- Saintonge, A.: Molecular gas in massive galaxies, invited talk, 9th Sino-German workshop on galaxy formation and evolution: Understanding gas accretion and star formation from high to low redshifts, Hangzhou, China, April 2011.
- Saintonge, A.: The non-universality of the molecular gas depletion timescale in massive galaxies, contributed talk, Galaxy formation, Durham, UK, July 2011.
- Sanchez, A.G.: Cosmological constraints from the full shape of $\xi(s)$ from BOSS, contributed talk, BOSS Collaboration Meeting, Cloudcroft, USA, March 2011.

- Sanchez, A.G.: Precision cosmology from LSS observations, colloquium, Center for Cosmology and Particle Physics, New York, USA, May 2011.
- Sanchez, A.G.: Precision cosmology from LSS observations, contributed talk, Galaxies in the Dark, Cafayate, Argentina, August 2011.
- Sanchez, A.G.: Precision cosmology from large-scale structure observations, invited talk, AAA Workshop on Computational Astronomy, Cordoba, Argentina, August 2011.
- Sanchez, A.: Halo abundance matching of BOSS galaxy clustering, contributed talk, SDSS-III collaboration meeting 2011, Nashville, USA, August 2011.
- Santos-Sanz, P.: TNOs are Cool: un estudio de la región transneptuniana con el telescopio espacial Herschel, contributed talk, II. Encuentro de exploracion del sistema solar, Bilbao, Spain, June 2011.
- Schartmann, M.: Simulations of Stellar Feedback in Nearby AGN, contributed talk, The Starburst-AGN Connection under the Multiwavelength Limelight, ESAC, Madrid, Madrid, Spain, September 2011.
- Scholer, M.: Acceleration in the solar system: summary, invited talk, Workshop on Particle Acceleration in Cosmic Plasmas, International Space Science Institute, Bern, Switzerland, May 2011.
- Scholer, M.: Four Lectures on MHD and collisionless shocks, colloquium, The 2011 Solar/Space International Summer School, Hefei, China, July 2011.
- Schwabe, M.: Crystallization in complex plasmas under microgravity conditions, contributed talk, Fourth International Symposium on Physical Sciences in Space, Bonn, Germany, July 2011.
- Schwabe, M.: Crystallization in complex plasmas under microgravity conditions, contributed talk, PK-3 Plus Symposium, Schloss Ringberg, Germany, October 2011.
- Schwabe, M.: Dynamical effects in fluid complex plasmas, invited talk, 38th EPS Conference on Plasma Physics, Strasbourg, France, June 2011.
- Schwabe, M.: Exploring the Limits of Cooperative Phenomena using Complex Plasmas, invited talk, 6th International Conference on the Physics of Dusty Plasmas, Garmisch-Partenkirchen, Germany, May 2011.
- Schwabe, M.: Kristallisation in Komplexen Plasmen unter Mikrogravitationsbedingungen, contributed talk, DPG Frühjahrstagung, Kiel, Germany, March 2011.
- Shimizu, S.: Sterilization / disinfection of bacteria and spores by means of low-temperature atmospheric pressure plasma treatment, contributed talk, 11th European Workshop on Astrobiology, Köln, Germany, July 2011.
- Shimizu, T.: Atmospheric Plasma for Wound Treatment: Lab to Clinical Study, invited talk, Eighth International Conference on Flow Dynamics, Sendai, Japan, November 2011.
- Shimizu, T.: Atmospheric Plasma in Medicine: Chronic Wound Disinfection, invited talk, The 12th International Workshop on Advanced Plasma Processing and Diagnostics, Fukuoka, Japan, January 2011.
- Shimizu, T.: Atmospheric plasma for medical and hygiene applications, invited talk, The 3rd International Conference on Microelectronics and Plasma Technology, Dalian, China, July 2011.
- Shimizu, T.: Nonthermal Atmospheric Plasma for Use in Medical and Hygiene Application, invited talk, Plasma Conference 2011, Kanazawa, Japan, November 2011.
- Strong, A.W.: Cosmic-ray propagation with GALPROP, invited talk, Workshop on Indirect Dark Matter Searches, Hamburg, Germany, June 2011.
- Strong, A.W.: The Fermi view of the high-energy ISM: relevance to Planck, contributed talk, The Millimeter and Submillimeter Sky in the Planck Mission Era, Paris, France, January 2011.
- Strong, A.W.: The cosmic-ray, gamma-ray radio connection in the galaxy, invited talk, The Emerging Multiwavelength Picture of the Galactic Centre Environment, Heidelberg, Germany, October 2011.
- Strong, A.W.: The high-energy ISM observed by (not only) Fermi., colloquium, Jodrell Bank Centre, University of Manchester, Manchester, England, April 2011.
- Strong, A.W.: The high-energy interstellar medium, invited talk, Cosmic-Ray Interactions: Bridging High and Low Energy Astrophysics, Leiden, Netherlands, March 2011.
- Sturm, E.: Das Weltraumteleskop Herschel - Infrarotastonomie vom Feinsten, public talk, MPE Open House, Garching, Germany, October 2011.
- Sturm, E.: Far-infrared ISM diagnostics with Herschel spectroscopy, invited talk, Multiwavelength Views of the ISM in High-Redshift Galaxies, Santiago de Chile, Chile, June 2011.
- Sturm, E.: Negative AGN feedback: Herschel observations of massive molecular outflows, colloquium, IPAC/CALTECH Colloquium, Pasadena, USA, November 2011.
- Sturm, E.: Negative AGN feedback: Herschel observations of massive molecular outflows, invited talk, Star Formation in Galaxies: The Herschel Era, Ringberg Castle, Germany, June 2011.
- Sturm, E.: Study of Infrared Bright Galaxies with FIR spectroscopy, invited talk, Challenges in IR Extragalactic Astrophysics II, Utrecht, Belgium, March 2011.
- Sturm, R.: The XMM-Newton survey of the SMC: The Be/X-ray binary population, contributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Sütterlin, K.R.: Frontiers in Complex Plasma Research, invited talk, 12th Workshop on Fine Particle Plasmas, Toki, Japan, November 2011.
- Sütterlin, K.R.: Komplexe Plasmen - Forschung in Schwerkraft, public talk, Lions Club, Neufahrn, Germany, April 2011.
- Sütterlin, K.R.: Shear Flow Instability at the Interface among two Complex Plasmas, contributed talk, 3rd International Conference on Microelectronics and Plasma Technology (ICMAP-2011), Dalian, China, July 2011.
- Suhada, R.: The XMM-BCS galaxy cluster survey, con-

- tributed talk, The X-ray Universe 2011, Berlin, Germany, June 2011.
- Tacconi, L.J.: Cold Gas in Star Forming Galaxies over Cosmic Time, invited talk, Galaxy Formation 2011, Durham University, Durham, UK, July 2011.
- Tacconi, L.J.: Gas Contents and Dynamics of High-z Star Forming Galaxies, invited talk, 9th Sino-German Workshop on Galaxy Formation and Cosmology, Hangzhou, China, April 2011.
- Tacconi, L.J.: Gas Contents and Dynamics of High-z Star Forming Galaxies, invited talk, A Quarter Century of DLAs: Celebrating the Career of Arthur Wolfe, Ringberg Castle, Germany, July 2011.
- Tacconi, L.J.: Molecular Gas and Star Formation in Normal SFGs from $z=1-3$, invited talk, MPA-Ringberg Workshop on Galaxy Evolution, Ringberg Castle, Germany, April 2011.
- Tacconi, L.J.: Molecular Gas in Star-Forming Galaxies at High-z, invited talk, Gas in Galaxies: From Cosmic Web to Molecular Clouds, Kloster Seeon, Germany, June 2011.
- Tacconi, L.J.: Star Formation and Gas: Observations at High-z, invited talk, Star Formation in Galaxies in the Herschel Era, Ringberg Castle, Germany, June 2011.
- Thoma, M.H.: Complex Plasmas in External Fields: Role of Non-Hamiltonian Interactions, contributed talk, DPG-Frühjahrstagung, Kiel, Germany, March 2011.
- Thoma, M.: Völlig losgelöst – Forschung in der Schwerelosigkeit, public talk, MPE Open House, Garching, Germany, October 2011.
- Thomas, H.M.: Complex Plasmas - The Plasma State of Soft Matter, invited talk, 25th Anniversary Symposium of Europhysics Letters EPL, Munich, Germany, May 2011.
- Thomas, H.M.: Complex Plasmas - The Plasma State of Soft Matter, invited talk, All Russian Low Temperature Plasma Physics Conference, Petrosavodsk, Russia, June 2011.
- Thomas, H.M.: Multifacets of Complex plasmas, invited talk, 3rd International Conference on Microelectronics and Plasma Technology (ICMAP-2011), Dalian, China, July 2011.
- Thomas, H.M.: Plasamadekontamination von Raumfahrtbauteilen, invited talk, 60. Deutscher Luft- und Raumfahrtkongress, Bremen, Germany, September 2011.
- Thomas, H.M.: Plasmakristallforschung auf der Internationalen Raumstation ISS, public talk, Cafe und Kosmos, Munich, Germany, December 2011.
- Thomas, J.: Luminous and dark matter distributions from dynamical models of elliptical galaxies, invited talk, MPA Ringberg Workshop on Galaxy Evolution, Schloss Ringberg, Tegernsee, April 2011.
- Thomas, J.: Dynamical models of baryonic and dark matter in elliptical galaxies, colloquium, University of Padua, Padova, Italy, October 2011.
- Thomas, J.: Schwarze Löcher im All – nah und fern, public talk, MPE Open House, Garching, Germany, October 2011.
- Trümper, J.E.: An accretion model for the quiescent X-ray emission of AXPs and SGRs, invited talk, JENAM 2011, St. Petersburg, Russia, July 2011.
- Trümper, J.E.: Looking back at ROSAT - The Sky in X-Rays, colloquium, University of Heraklion, Physics colloquium, Heraklion, Greece, December 2011.
- Trümper, J.E.: Observations of Neutron Stars and the Equation of State of Matter at High Densities, colloquium, Physik-Kolloquium, Astrophysical Institute and University Observatory University Jena, Jena, Germany, May 2011.
- Trümper, J.E.: Observations of Neutron Stars and the Equation of State of Matter at High Densities, invited talk, Ringberg Meeting, Kreuth, Germany, January 2011.
- Trümper, J.E.: Pulsars and isolated Neutron Stars - Observations and Theory, invited talk, 2011 Autumn School on Principles of Multi-wavelength High Time Resolution Astrophysics, Pula, Italy, October 2011.
- Trümper, J.E.: ROSAT, invited talk, First eROSITA International Conference: Mapping the Structure of the Energetic Universe, Garmisch, Germany, October 2011.
- Trümper, J.E.: The quiescent emission of soft gamma ray repeaters and anomalous X-ray pulsars - powered by accretion, invited talk, JENAM 2011, St. Petersburg, Russia, July 2011.
- Trümper, J.E.: What powers the Quiescent Emission of Soft Gamma Ray repeaters and Anomalous X-ray pulsars - Magnetic Field Decay or Accretion?, invited talk, AIP Potsdam, Potsdam, Germany, March 2011.
- van Dishoeck, E.F.: A WISH come true: water in star-forming regions with Herschel, colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, USA, February 2011.
- van Dishoeck, E.F.: A WISH come true: water in star-forming regions with Herschel, colloquium, Steward Observatory, Tucson, USA, May 2011.
- van Dishoeck, E.F.: A WISH come true: water in star-forming regions with Herschel, colloquium, University of Colorado, Boulder, USA, February 2011.
- van Dishoeck, E.F.: A WISH come true: water in star-forming regions with Herschel, colloquium, University of Helsinki, Helsinki, Finland, March 2011.
- van Dishoeck, E.F.: A WISH come true: water in star-forming regions with Herschel, invited talk, Netherlands Astronomy Conference, Texel, The Netherlands, May 2011.
- van Dishoeck, E.F.: Chemistry in star- and planet-forming regions, invited talk, Astrochemistry: molecular networks connecting the universe, Amsterdam, The Netherlands, April 2011.
- van Dishoeck, E.F.: Direct and indirect observations of interstellar ices and ice chemistry, invited talk, Challenges in modelling the reaction chemistry of interstellar dust, Leiden, The Netherlands, September 2011.
- van Dishoeck, E.F.: Gas and dust in protoplanetary disks: from Spitzer to Herschel and JWST, invited talk, Strange new worlds, Flagstaff, USA, May 2011.
- van Dishoeck, E.F.: Hewish lecture: Building planets and

- the ingredients for life between the stars, colloquium, Cavendish laboratory, Cambridge University, Cambridge, UK, June 2011.
- van Dishoeck, E.F.: Modeling of gas lines in protoplanetary disks, invited talk, Dust, gas and ice in time, Pasadena, USA, July 2011.
- van Dishoeck, E.F.: Molecular processes between the stars, invited talk, Nordic Physics Days, Helsinki, Finland, March 2011.
- van Dishoeck, E.F.: Overview of mid-IR and far-IR facilities, invited talk, Cosmic ray interactions: bridging high and low energy astrophysics, Leiden, The Netherlands, March 2011.
- van Dishoeck, E.F.: Water in space: from pre-stellar cores to planet-forming disks, colloquium, Physikalisches Institut, University of Cologne, Cologne, Germany, October 2011.
- von Kienlin, A.: Bright High-Energy GRBs detected with the Gamma-ray Burst Monitor on Fermi, contributed talk, Third International Fermi Symposium, Rome, Italy, May 2011.
- Vilenius, E.: TNOs are Cool: Thermophysical modeling of a sample of 20 classical KBOs using Herschel/PACS, contributed talk, EPSC-DPS Joint Meeting, Nantes, France, October 2011.
- Wuyts, S.: A galaxy's life on and off the main sequence of star formation, colloquium, Purple Mountain Observatory, Nanjing, China, November 2011.
- Wuyts, S.: A galaxy's life on and off the main sequence of star formation, colloquium, Shanghai Astronomical Observatory, Shanghai, China, November 2011.
- Wuyts, S.: Galaxy structure and mode of star formation in the SFR-Mass plane from $z \sim 2.5$ to $z \sim 0.1$, contributed talk, Galaxy mergers in an evolving universe, Hualien, Taiwan, October 2011.
- Wuyts, S.: Galaxy structure and mode of star formation in the SFR-Mass plane from $z \sim 2.5$ to $z \sim 0.1$, colloquium, Max Planck Institute for Astrophysics, Munich, Germany, May 2011.
- Wuyts, S.: Relating structure and stellar populations globally and locally, contributed talk, Watching Galaxies Grow Up, Ringberg, Germany, December 2011.
- Wuyts, S.: Star formation over 11 Gyr of lookback time, contributed talk, SED 2011: The Spectral Energy Distribution of Galaxies, Preston, UK, September 2011.
- Wuyts, S.: The emergence of the Hubble sequence, colloquium, ESO, Santiago, Chile, May 2011.
- Wuyts, S.: The emergence of the Hubble sequence, colloquium, Ghent University, Ghent, Belgium, May 2011.
- Zhdanov, S.: Spontaneous disordering of plasma crystals, contributed talk, Conference Chaos Complexity and Transport, CCT11, Marseille, France, May 2011.
- Ziaepour, H.: An insight to the nature of dark energy, invited talk, Institute for Theoretical Physics, University of Heidelberg, Heidelberg, Germany, May 2011.
- Ziaepour, H.: Dark energy condensate and vacuum energy, contributed talk, 12th International Symposium on Frontiers of Fundamental Physics, Udine, Italy, November 2011.
- Ziaepour, H.: Measuring the equation of state of dark energy, colloquium, HETDEX science meeting, Pennsylvania, USA, May 2011.
- Ziaepour, H.: Simulation of high energy emission from gamma-ray bursts, invited talk, 12th International Symposium on Frontiers of Fundamental Physics, Udine, Italy, November 2011.
- Zimmermann, J.: Plasmamedizin – Neue Möglichkeiten in der Hygiene und Medizin, public talk, MPE Open House, Garching, Germany, October 2011.

Dissertationen

- Chaudhary, P.: Properties of the integrated spectrum of active galactic nuclei. Ludwig-Maximilians-Universität München 2011.
- Genel, S.: The Formation of Dark Matter Halos and High-Redshift Galaxies. Ludwig-Maximilians-Universität München 2011.
- Guglielmetti, F.G.: Background-Source separation in astronomical images with Bayesian Probability Theory. Ludwig-Maximilians-Universität München 2010.
- Henze, M.: Optical Novae as Supersoft X-ray Sources in the Andromeda Galaxy. Technische Universität München 2011.
- Kretschmer, K.A.: High-Resolution Spectroscopy of Astrophysical Gamma-Ray Lines. Technische Universität München 2011.

Diplom-, Master-, Bachelorarbeiten

- Gettkandt, J.: Die Suche nach extrasolaren Planeten mittels Astrometrie (Bachelor-Arbeit). Ludwig-Maximilians-Universität München 2011.
- Kister, C.: Design of the metrology laser injection unit of the VLTI instrument GRAVITY (Diplom-Arbeit). Ludwig-Maximilians-Universität München 2011.
- Moch, D.: Characterization of the differential aberrations of the VLTI beam train (Diplom-Arbeit). Ludwig-Maximilians-Universität München 2011.
- Opitsch, M.: Black holes in galaxies. A look at scaling relations between supermassive black hole mass and host galaxy properties (Master-Arbeit). Ludwig-Maximilians-Universität München 2011.
- Zeidler, P.: Messung und Instrumentierung zur Bestimmung der physikalischen Eigenschaften von extrasolaren Planeten (Bachelor-Arbeit). Ludwig-Maximilians-Universität München 2011.

Bücher / Beiträge in Büchern

- Dennerl, K.: Charge Transfer Reactions. In: "High-Resolution X-Ray Spectroscopy - Past, Present and Future". (Eds.) J. Kaastra, F. Paerels. Space Science Reviews, 157, Springer, New York Dordrecht Heidelberg London, 57-91 (2011).
- Diehl, R., D.H. Hartmann and N. Prantzos: Perspectives. In: "Astronomy with Radioactivities". R. Diehl, D.H. Hartmann, N. Prantzos (Eds.), Lecture Notes in Physics, Springer, Berlin, Vol. 812, 519-524 (2011).
- Diehl, R., D.H. Hartmann, N. Prantzos (Eds.): "Astronomy with Radioactivities". Series: Lecture Notes in Physics, Vol. 812, Springer, Berlin (2011), 564 p.
- Diehl, R., D.H. Hartmann and N. Prantzos: Distributed Radioactivities. In: "Astronomy with Radioactivities". R. Diehl, D.H. Hartmann, N. Prantzos (Eds.), Lecture Notes in Physics, Springer, Berlin, Vol. 812, 345-438 (2011).
- Diehl, R.: Introduction to Astronomy with Radioactivity. In: "Astronomy with Radioactivities". R. Diehl, D.H. Hartmann, N. Prantzos (Eds.), Lecture Notes in Physics, Springer, Berlin, Vol. 812, 3-24 (2011).
- Foschini, L., M. Colpi, L. Gallo, D. Grupe, S. Komossa, K. Leighly, S. Mathur (Eds.): Proc. of "Narrow-Line Seyfert 1 Galaxies and their place in the Universe". Proceedings of Science, Electronic Journal, SISSA, Italy (2011).
- Kanbach, G. and L. Nittler: Instruments for Observations of Radioactivities. In: "Astronomy with Radioactivities". R. Diehl, D.H. Hartmann, N. Prantzos (Eds.), Lecture Notes in Physics, Springer, Berlin, Vol. 812, 490-518 (2011).
- Nandra, K., D. Barret, F. Fabian, F. Fabian, R. Willingdale, M. Watson, P. Jonker, H. Kunieda, G. Miniutti, C. Motch, and P. Predehl: GRAVITAS: general relativistic astrophysics via timing and spectroscopy. In: "Experimental Astronomy - Astrophysical Instrumentation and Methods". P. Ballmoos (Ed.) Springer Science+Business Media B.V. 2011, 1-18 (2011).
- Nosenko, V.Y., P.K. Shukla, M.H. Thoma and H.M. Thomas (Eds.): Dusty/Complex Plasmas: Basic and Interdisciplinary Research - Proceedings of the 6th International Conference on the Physics of Dusty Plasmas. AIP Conference Proceedings 1397, Melville, New York 2011, 464 p.
- Sidorenko, I., R. Monetti, J. Bauer, J. Bauer and C. Raeth: Scaling Index Method (SIM): a Novel Technique for Assessment of Local Topological Properties of porous and Irregular Structures. In: "Computed Tomography - Special Applications", L. Saba (Ed.), InTech – Open Access Publisher, Rijeka, Croatia, 275-292 (2011).
- Thielemann, F.-K. R. Hirschi, M. Liebendörfer and R. Diehl: Massive Stars and Their Supernovae. In: "Astronomy with Radioactivities". R. Diehl, D.H. Hartmann, N. Prantzos (Eds.), Lecture Notes in Physics, Springer, Berlin, Vol. 812, 153-232 (2011).
- Trümper, J.: Endzustände der Materie im Kosmos. In: "Physik im 21. Jahrhundert". W. Martienssen, D. Röß (Eds.), Springer, Berlin, 291-323 (2011).

Populärwissenschaftliche Publikationen

Cirasuolo, M., J. Afonso, R. Bender, P. Bonifacio, C. Evans, L. Kaper, E. Oliva and L. Vanzì: MOONS: The Multi-Object Optical and Near-infrared Spectrograph. *The Messenger* 145, 11-13 (2011).

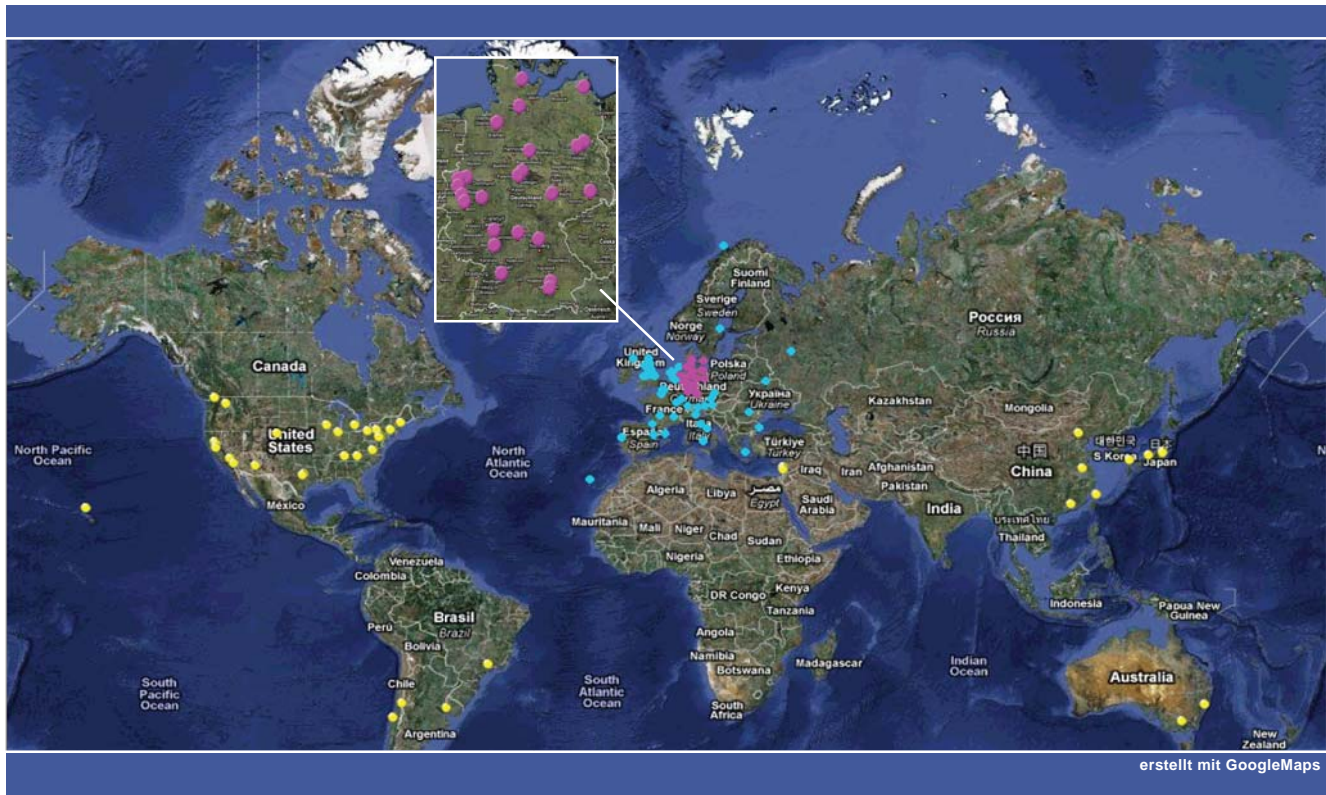
Eisenhauer, F., G. Perrin, W. Brandner, C. Straubmeier, K. Perraut, A. Amorim, M. Schöller, S. Gillessen, P. Kervella, M. Benisty, C. Araujo-Hauck, L. Jocou, J. Lima, G. Jakob, M. Haug, Y. Clénet, T. Henning, A. Eckart, J.-P. Berger, P. Garcia, R. Abuter, S. Kellner, T. Paumard, S. Hippler, S. Fischer, T. Moulin, J. Villate, G. Avila, A. Gräter, S. Lacour, A. Huber, M. Wiest, A. Nolot, P. Carvas, R. Dorn, O. Pfuhl, E. Gendron, S. Kendrew, S. Yazici, S. Anton, Y. Jung, M. Thiel, É. Choquet, R. Klein, P. Teixeira, P. Gitton, D. Moch, F. Vincent, N. Kudryavtseva, S. Ströbele, S. Sturm, P. Fédou, R. Lenzen, P. Jolley, C. Kister, V. Lapeyrère, V. Naranjo, C. Lucuix, R. Hofmann, F. Chapron, U. Neumann, L. Mehrgan, O. Hans, G. Rousset, J. Ramos, M. Suarez, R. Lederer, J.-M. Reess, R.-R. Rohloff, P. Hagenauer, H. Bartko, A. Sevin, K. Wagner, J.-L. Lizon, S. Rabien, C. Collin, G. Finger, R. Davies, D. Rouan, M. Wittkowski, K. Dodds-Eden, D. Ziegler, F. Cassaing, H. Bonnet, M. Casali, R. Genzel and P. Lena: GRAVITY: Observing the Universe in Motion. *The Messenger* 143, 16-24 (2011).

Förster Schreiber, N.M., R. Genzel, A. Renzini, L.J. Tacconi, S.J. Lilly, N. Bouche, A. Burkert, P. Buschkamp, C.M. Carollo, G. Cresci, R. Davies, F. Eisenhauer, S. Genel, S. Gillessen, E.K.S. Hicks, T. Jones, J. Kurk, D. Lutz, C. Mancini, T. Naab, S. Newman, Y. Peng, K.L. Shapiro, A.E. Shapley, A. Sternberg, D. Vergani, S. Wuyts, G. Zamorani, N. Arimoto, D. Ceverino, A. Cimatti, E. Daddi, A. Dekel, D.K. Erb, X. Kong, V. Mainieri, C. Maraston, H.J. McCracken, M. Mignoli, P. Oesch, M. Onodera, L. Pozzetti, C.C. Steidel and A. Verma: The SINS and zC-SINF surveys: The growth of massive galaxies at $z \sim 2$ through detailed kinematics and star formation with SINFONI. *The Messenger* 145, 39-43 (2011).

Pontoppidan, K.M., E. van Dishoeck, G.A. Blake, R. Smith, J. Brown, G.J. Herczeg, J. Bast, A. Mandell, A. Smette, W.-F. Thi, E.D. Young, M.R. Morris, W. Dent and H.U. Käufel: Planet-forming Regions at the Highest Spectral and Spatial Resolution with VLT-CRIRES. *The Messenger* 143, 32-36 (2011).

Kollaborationen / Wissenstransfer

Wissenschaftliche Kollaborationen nach Ländern



Australien

Australian National University: Galaxienentstehung.

Monash University: Nukleare Astrophysik

Swinburne University of Technology, Victoria: Millisecond Pulsars.

University of Western Sydney: Magellanic Clouds.

Belgien

CSL Liège, Katholieke Universiteit Leuven: Herschel-PACS, INTEGRAL-Spectrometer SPI.

Brasilien

Universidade de Sao Paulo: Galaxienentstehung.

Observatorio Nacional: DES

Centro Brasileiro de Pesquisas: DES

Universidade Federal do Rio: DES

Chile

Universidad de Concepcion: Röntgen-Doppelsternsysteme.

Universidad Catolica Santiago: Röntgen-Doppelsternsysteme.

China

Institute for High-Energy Physics (IHEP), Peking: AGN und unidentifizierte Gammaquellen von COMPTEL und INTEGRAL.

Institute for Plasma Physics, Hefei: komplexe Plasmen,

Staubdetektion in Fusionsreaktoren.

University of Hongkong: Strahlungsmechanismen von Pulsaren vom Röntgen bis zum Gammabereich.

Deutschland

Astrophysikalisches Institut Potsdam: eROSITA; XMM-Newton; GAVO; OPTIMA; ARGOS; HETDEX.

Christian-Albrechts-Universität, Kiel: komplexe Plasmen.

Dept. Earth and Environmental Sciences of the Ludwig-Maximilians-Universität, Munich: Raman Spectroscopy

Department of Neuropathology, Technical University Munich: Raman Spectroscopy, Plasma Medicine.

DLR-Köln Porz: Plasmakristall Experiment; PK-3 Plus; Rosetta Lander (ROLAND); Plasma-Dekontamination.

European Southern Observatory (ESO), Garching: KMOS Multiobjekt-Spectrograph für VLT; GRAVITY; Galaxienentstehung; Nukleare Astrophysik; ASTRO-WISE; Omega-CAM, MICADO.

Fraunhofer Institut für Mikroelektronische Schaltungen und Systeme, Duisburg: Mikroelektronikentwicklungen; CAMEX; JFET-CMOS Prozessor; Athena; eROSITA.

Institut für Astrophysik Göttingen: MICADO.

Institute of Experimental Oncology, Technical University Munich: Plasma Medicine.

Institut für Festkörperphysik und Werkstoff-Forschung, Dresden: Entwicklung weichmagnetischer Werkstoffe.

Institut für Astronomie und Astrophysik Tübingen (IAAT): XMM-Newton; eROSITA.

Klinik für Dermatologie, Allergologie und Umweltmedizin, Krankenhaus München Schwabing: Plasmamedizin.

Landessternwarte Heidelberg-Königstuhl: Nahinfrarotspektrograph LUCIFER für LBT; Galaxienentstehung, ARGOS.

Laser Zentrum Hannover: Development of advanced Filters for MICADO.

Leibniz Supercomputing Centre of the Bavarian Academy of Sciences and Humanities, Garching b. München: Label free imaging and Pattern Recognition.

LFM Labor für Mikrozerspannung, Bremen: Diamond turned optics for GRAVITY.

Ludwig-Maximilians-Universität, München: OmegaCAM; ASTRO-WISE; KMOS; MICADO; HETDEX; Plasmamedizin.

Maier-Leibnitz Laboratorium, Garching: eROSITA.

Max-Planck-Institut für Astronomie, Heidelberg: GRAVITY; LUCIFER; Herschel-PACS; PanSTARRS, SDSS, ARGOS, MICADO; EUCLID.

Max-Planck-Institut für Astrophysik, Garching: GAVO; SDSS; OPTIMA; eROSITA.

Max-Planck-Institut für Physik, Werner Heisenberg Institut, München: MPI Halbleiterlabor, Entwicklung von CCDs; Active Pixeldetektoren (APS); JFET-Elektronik für den Röntgenbereich; CAST; eROSITA.

Max-Planck-Institut für Kernphysik: CFEL.

Max-Planck-Institut für Biomedizinische Forschung: CFEL.

Max-Planck-Institut für Komplexe Systeme, Fritz-Haber-Institut: CFEL.

Max-Planck-Institut für Biophysische Chemie: CFEL.

Max-Planck-Institut für Radioastronomie, Bonn: ARGOS.

Physikalisch-Technische Bundesanstalt Berlin: eROSITA, SPICA-SAFARI, TES Bolometer SQUID-Ausleseschaltung.

Städtisches Klinikum München GmbH, Mikrobiologie Zentrallager Schwabing: Plasma Medicine.

Thüringer Landessternwarte Tautenburg: GROND; Gamma-Ray Bursts.

Technische Universität Berlin: Interstellares Medium.

Technische Universität Darmstadt: CAST.

Technische Universität München: Nukleare Astrophysik.

Trans MIT, Gießen: Pulse tube cooler for GRAVITY.

Universität Bochum: Komplexe Plasmen; LUCIFER.

Universität Bonn: Test von Pixeldetektoren für ATHENA; OmegaCAM; ASTRO-WISE; eROSITA; EUCLID.

Universität Düsseldorf: komplexe Plasmen.

Universität Erlangen: eROSITA.

Universität Greifswald: Komplexe Plasmen.

Universität Hamburg: eROSITA; OPTIMA (Flarestars)

Universität Heidelberg: Athena; XFEL.

Universität Jena: Isolierte Neutronensterne; Nukleare As-

trophysik.

Universität Kiel: Komplexe Plasmen.

Universität Köln: Galaktisches Zentrum; GRAVITY.

University of Veterinary Medicine Hannover, Institute for food quality and food safety: Plasma Medicine.

Universität Mannheim: Athena; XFEL.

Universität Regensburg, Department of Dermatology, University Hospital Regensburg: Plasma Medicine.

Universitätssternwarte Göttingen: OmegaCAM.

Universität Siegen: Compton Kamera.

Universität Stuttgart: SOFIA.

Universität Würzburg: AGADE, GRIPS.

Frankreich

CEA, Saclay: INTEGRAL-Spektrometer SPI; Herschel-PACS; CAST; EUCLID; SPICA; SVOM.

Centre d'Etude Spatiale des Rayonnements (UPS), Toulouse: INTEGRAL-Spektrometer SPI.

GREMI-Lab, Orleans: Komplexe Plasmen; Plasmakristall Experimente auf der ISS.

IAP Paris: Nukleare Astrophysik.

LAM: EUCLID; Gamma-Ray Bursts.

IPAG Grenoble: GRAVITY.

OAMP Marseille: Herschel-PACS.

Observatoire de Paris-Meudon: ASTRO-WISE; GRAVITY; MICADO.

Griechenland

University of Crete and Foundation for Research and Technology Hellas (FORTH), Heraklion: Ausbau und Betrieb der Skinakas Sternwarte; Untersuchung von windakkretierenden Röntgendoppelsternsystemen; Entwicklung und Einsatz des OPTIMA Photometers; optische Identifikation und Monitoring von Röntgen-AGN, Novae.

Großbritannien

Belfast, Queen's University: PanSTARRS.

BRUNEL University: Athena.

John Moores University, Liverpool: Himmelsdurchmusterung Galaxienhaufen.

Loughborough University, Department of Electronic and Electrical Engineering: Plasma Medicine.

Open University, Milton Keynes: Kataklysmische Variablen; Novae.

Rutherford Appleton Laboratory, Council for the Central Laboratory of the Research Councils: SIS-Junctions; Komplexe Plasmen.

University College London, MSSL: High Energy Pulsars. EUCLID; DES.

University of Durham: KMOS, PanSTARRS.

University of Cambridge: DES; RoPACS.

University of Edinburgh: DES; KMOS; PanSTARRS.

University of Hertfordshire: RoPACS.

University of Leeds: Komplexe Plasmen.

University of Leicester: XMM-Newton Datenanalyse; IXO; Swift.

University of Liverpool: Komplexe Plasmen.
 University of Nottingham: DES.
 University of Portsmouth: DES.
 University of Sussex: DES.
 University of Southampton: Magellanic Clouds.
 University of Wales, Cardiff: Filter für Herschel-PACS und SOFIA.
 University Oxford: Komplexe Plasmen; KMOS.
 United Kingdom Astronomy Technology Centre (UKATC): EUCLID; KMOS.

Irland

National University of Ireland, Galway: High Time Resolution Astronomy.

University College Dublin: Fermi/GBM.

Israel

School of Physics and Astronomy, Wise Observatory, Tel Aviv: Aktive Galaxien; Interstellares Medium; Galaxienentwicklung.

Weizmann Institut, Rehovot: Komplexe Plasmen; Galaktisches Zentrum.

Italien

Brera Astronomical Observatory: Himmelsdurchmusterung Galaxienhaufen; Athena.

IFCAI-CNR Palermo: XMM-Newton Beobachtungen von Neutronensternen und Pulsaren.

INAF Arcetri: ARGOS; LBT.

INAF Trieste: Gamma-Ray Bursts; Fermi/LAT.

INAF Padua: Herschel-PACS; OmegaCAM; LBT; MICA-DO.

INAF Roma: LBT; Nukleare Astrophysik.

INFR Frascati: SIDDHARTA.

Istituto di Fisica dello Spazio Interplanetario (CNR), Frascati: Herschel-PACS.

OAA/LENS Firenze: Herschel-PACS.

Osservatorio di Capodimonte, Napoli: OmegaCAM; ASTRO-WISE.

Politecnico di Milano: rauscharme Elektronik; Röntgendetektorenentwicklung.

University Bologna: EUCLID.

Universität Neapel: Komplexe Plasmen.

Japan

Tokio Institute of Technology (TITECH), Ookayama: ASCA/XMM-Newton Beobachtungen von AGN.

JAXA: PK-3 Plus; PK-4; Plasmalab.

Kyoto Institute for Technology: Komplexe Plasmen, PK-3 Plus, Plasmalab.

Tohoku University: Komplexe Plasmen.

University of Osaka: Astro H; Athena CCDs.

University of Tokyo: GeBiB detectors.

Yokohama National University: komplexe Plasmen.

Kroatien

Ministry of Science and Technology, Zagreb: CAST.

Niederlande

ESTEC, Noordwijk: XMM-Newton-TS-Spiegelkalibration; CCD Entwicklung; Radiation Performance Instrument; INTEGRAL; EUCLID; PK-4.

FOM Institute for Plasma Physics, Rijnhuizen: komplexe Plasmen.

NOVA Leiden: MICADO.

SRON, Utrecht: Chandra-LETG; TES für SPICA/Athena.

Sterrewacht Leiden: ASTRO-WISE; OmegaCAM.

TU Delft: Reflexions Messungen an schwarzen Farben.

University Eindhoven: Komplexe Plasmen; Plasmalab.

University of Groningen, Kapteyn Institute: Rekonstruktion der Dichteverteilung im Universum; OmegaCAM; ASTRO-WISE.

Norwegen

Universität Tromsø: Komplexe Plasmen.

Österreich

Universität und TU Wien: Herschel-PACS.

Polen

Nicolaus Copernicus (ZAMK), Torun: Pulsars Astronomical Centers.

University Zielona Gora: OPTIMA

Portugal

SIM Lissabon: GRAVITY.

Universität Lissabon: Komplexe Plasmen.

Russland

Joint Institute for High Temperatures (JIHT) of the Russian Academy of Science, Moscow: Plasmakristall Experiment (PKE); PKE-Nefedov; PK-3 Plus; PK-4; Plasmalab; Plasma Medicine.

Institute for Biomedical Problems of the Russian Academy of Sciences, Moscow: Plasma Medicine.

Institute for Epidemiology and Microbiology Problems of the Russian Academy of Medical Sciences, Moscow: Plasma Medicine.

Institute for Theoretical and Experimental Biophysics of the Russian Academy of Sciences, Moscow: Plasma Medicine.

Institute for Problems of Chemical Physics of the Russian Academy of Sciences, Moscow: Plasma Medicine.

Institute for Physical Chemical Medicine of the Russian Academy of Medical Sciences, Moscow: Plasma Medicine.

Space Research Institute (IKI) of the Russian Academy of Science, Moscow: eROSITA, Spektrum Röntgen-Gamma.

Skobeltsyn Institute of Nuclear Physics, Moscow: Nukleare Astrophysik; Gamma-Ray Bursts; AGADE.

Schweden

University Lund/Observatory: OPTIMA.

University Stockholm: komplexe Plasmen, Staubdetektion in Fusionsreaktoren.

Schweiz

CERN, Geneva: CAST.

Observatoire de Genève Sauverny, Geneva: ISDC/INTEGRAL; Nukleare Astrophysik.

Universität Basel: Nukleare Astrophysik.

Spanien

Centro de Investigaciones Energeticas, Medioambientales y Tecnológicas: DES.

ESAC, Madrid: XMM-Newton Science Operations Center; INTEGRAL Science Operations Center.

Instituto de Astrofísica de Canarias (IAC), Laguna: Herschel-PACS; RoPACS.

Instituto de Ciencias del Espacio: DES.

Institut de Física d'Altes Energies: DES.

LAEFF, Madrid: RoPACS.

Universität Valencia, Department de Astronomia, Valencia: INTEGRAL-Spektrometer SPI.

Universidad de Zaragoza: CAST.

Observatorio Astronomico de Mallorca: Novae; Kometen

Taiwan

National Central University, Chungli; PanSTARRS.

Türkei

Bogazici University, Istanbul: CAST.

Ukraine

Main National Observatory, Kiev: RoPACS.

Ungarn

Konkoly Observatory: Herschel-PACS.

USA

Argonne National Laboratory: DES.

Brookhaven National Laboratory: strahlenharte JFET-Elektronik; strahlenharte Detektoren.

California Inst. of Technology, Pasadena: X-ray survey.

CfA, Cambridge: Athena WFI; XMM-Newton/Chandra Kalibration.

Clemson University: Gamma-Ray Bursts; Nukleare Astrophysik.

Fermilab, Batavia: DES.

Harvard University: PanSTARRS.

Institute for Astronomy, Hawaii, Honolulu: Galaxienentstehung; PanSTARRS; NIR Kamera für Wendelstein.

Jet Propulsion Laboratory, Pasadena: EUCLID.

Johns Hopkins University: PanSTARRS.

Lawrence Berkeley National Laboratory, Berkeley: Herstellung der Ge:Ga Detektorelemente für Herschel-PACS und SOFIA; Charakterisierung von GaAs-Detektormaterial.

Marshall Space Flight Center, Huntsville: Fermi Gamma-Ray Burst Monitor; XMM-Newton und Chandra Beobachtungen von Neutronensternen, Pulsaren und Supernova-Überresten.

MIT, Cambridge: Athena WFI.

NOAO, Tucson: DES.

NASA/Goddard Space Flight Center, Greenbelt, MD: INTEGRAL-Spektrometer SPI; Swift.

Naval Research Laboratory: komplexe Plasmen.

Ohio State University: DES; LBT.

Old Dominion University Norfolk, Laser & Plasma engineering Institute: Plasma Medicine.

Pacific Northwest National Laboratory (PNNL), Richland: CAST.

Pennsylvania State University: HETDEX; Athena WFI; Swift.

Research Corporation: LBT.

Smithsonian Astrophysical Observatory, Cambridge: Chandra-LETGS; Röntgendoppelsterne in M31.

Space Telescope Science Institute, Baltimore: Galaxienentstehung.

STC : EUCLID.

Stanford University: DES; Fermi/LAT; Fermi/GBM.

SLAC: CAMP; DES.

Texas A & M University: DES.

Texas State University: HETDEX.

University of Arizona, Tucson: Kosmische Strahlung; Planetenentstehung; LBT; ARGOS.

University of California, Berkeley: MPG/UCB-Kollaboration; FAST; INTEGRAL-Spektrometer SPI; Department of chemical engineering: Plasma Medicine.

University of California, San Diego: Komplexe Plasmen.

University of California, Santa Cruz: DES.

University of Chicago: DES.

University of Colorado, Boulder: komplexe Plasmen.

University of Iowa, Iowa City: Komplexe Plasmen; PKE-Nefedov, PK-3 Plus.

University of Illinois at Urbana-Champaign: FIFI-LS; DES.

University of Michigan: DES.

University of Pennsylvania: DES.

University of Pittsburgh: Galaxienentstehung.

University of Texas, Austin: Galaxienentstehung; HETDEX.

University of Toledo: Galaxienentstehung.

University Space Research Association, Moffett Field: SOFIA.

Multinationale Kollaborationen - Projekte

ARGOS: Arcetri Observatory, Italy; Laserleitstern für das LBT: AIP, LSW Heidelberg, MPIA, MPIfR, Germany; University of Arizona, USA.

ASPI - The International Wave Consortium: CNR-IFSI Frascati, Italy; LPCE/CNRS Orleans, France; Dept. of Automatic Control and Systems University of Sheffield, UK.

ASTRO-WISE: LMU München, Universität Bonn, Germany; Sterrewacht Leiden, University of Groningen, The Netherlands; Osservatorio di Capodimonte, Napoli, Italy; Observatoire de Meudon, Paris, France.

Athena - Advanced Telescope for High Energy Astrophysics: University of Leicester, UK; SRON Utrecht, The Netherlands; Institut für Astronomie und Astrophysik Tübingen, Germany; CESR Toulouse, France; Institute of Space and Astronautical Science (ISAS), JAXA, Japan; ESA; NASA, MIT, CfA, Penn State University, USA.

BOSS: SDSS-III Collaboration.

CAST - CERN Solar Axion Telescope: CERN Geneva, Switzerland; TU Darmstadt, MPI für Physik (WHI) München, Germany; Universidad de Zaragoza, Spain; Bogazici University Istanbul, Turkey; Ministry of Science and Technology Zagreb, Croatia; CEA, Saclay, DAPNIA/SED, France; Pacific Northwest National Laboratory, Richland, USA.

CDFS - The Chandra Deep Field South: ESO Garching, Astrophysikalisches Institut Potsdam, Germany; IAP Paris, France; Osservatorio Astronomico Trieste; Istituto Nazionale di Fisica Nucleare Trieste, Italy; Associated Universities Washington, Johns Hopkins University Baltimore, Space Telescope Science Institute Baltimore, USA; Center for Astrophysics Hefei, China.

Chandra: Marshall Space Flight Center Huntsville, Massachusetts Institute of Technology Cambridge, Smithsonian Astrophysical Observatory Cambridge, USA; Space Research Institute Utrecht, The Netherlands; Universität Hamburg, Germany.

COSMOS: INAF-Osservatorio Astronomico di Bologna, INAF-Osservatorio Astronomico di Roma, INAF-Osservatorio Astrofisico di Arcetri, INAF/IASF-CNR, Sezione di Milano, IRA-INAf, Bologna, Dipartimento di Astronomia, Università Padova, Dipartimento di Fisica, Università degli Studi Roma Tre, Italy; Harvard-Smithsonian Centre for Astrophysics, Cambridge, Department of Physics, Carnegie Mellon University, Pittsburgh, Institute for Astronomy, University of Hawaii, California Institute of Technology, Pasadena, Department of Astronomy, Yale University, USA; INTEGRAL Science Data Centre, Versoix, Switzerland; Laboratoire d'Astrophysique de Marseille, France.

DES - Dark Energy Survey: LMU München, Excellence Cluster Universe, Germany; The Fermi National Accelerator Laboratory (Fermilab), University of Chicago, NOAO, University of Michigan, University of Pennsylvania, University of Illinois at Urbana-Champaign, Ohio State University, Texas A&M University, University of California Santa Cruz, Stanford University, SLAC National Accelerator

Laboratory, The Lawrence Berkeley National Laboratory, Argonne National Laboratory, USA; University College London, University of Cambridge, University of Edinburgh, University of Portsmouth, University of Sussex, University of Nottingham, UK; Observatorio Nacional, Centro Brasileiro de Pesquisas Físicas, Universidade Federal do Rio, Brasilien; Instituto de Ciencias del Espacio, Institut de Física d'Altes Energies, Centro de Investigaciones Energéticas Medioambientales y Tecnológicas, Spain.

eROSITA: Universität Tübingen, Universität Bonn, Universität Erlangen, AIP Potsdam, Universität Hamburg, Remeis-Sternwarte Bamberg, MPA Garching, LMU München, Germany; IKI Moskau, Russia.

EUCLID - ESA Mission to map the Dark Energy: ESA; CEA Saclay, LAM, France; University Bologna, INAF, Italy; MSSL, Durham University, UKATC UK; STC I, USA; MPIA Heidelberg, Universität Bonn, Germany.

Fermi Gamma-Ray Burst Monitor: Marshall Space Flight Center Huntsville, University of Huntsville, USA.

Fermi Gamma-Ray Large Area Space Telescope: Stanford University Palo Alto, Naval Research Laboratory Washington DC, Sonoma State University Rohnert Park, Lockheed Martin Corporation Palo Alto, University of California Santa Cruz, University of Chicago, University of Maryland Greenbelt, NASA Ames Research Center Moffett Field, NASA Goddard Space Flight Center for High Energy Astrophysics Greenbelt, Boston University, University of Utah Salt Lake City, University of Washington Seattle, SLAC Particle Astrophysics Group Palo Alto, USA; ICTP and INFN Trieste, Istituto Nazionale di Fisica Nucleare Trieste, Italy; University of Tokyo, Japan; CEA Saclay, France.

FP7 Opticon JRA1 - Adaptive Optics: INAF Padova, INAF Arcetri, Italy; LAM Marseille, LAOG Grenoble; LESIA Paris, ONERA Paris, France; KIS Freiburg, MPIA Heidelberg, Germany; NOVA Leiden, The Netherlands; UKATC Edinburgh; University Durham, UK.

GRAVITY - Instrument for VLT Interferometry: MPIA Heidelberg, Universität Köln, European Southern Observatory, Garching, Germany; SIM Lissabon, Portugal; IPAG, Grenoble, Observatoire de Paris / Meudon (LESIA), France.

Herschel - PACS (Photodetector Array Camera and Spectrometer): CSL Liège, Katholieke Universiteit Leuven, Belgium; MPIA Heidelberg, Universität Jena, Germany; OAA/LENS Firenze, IFSI Roma, OAP Padova, Italy; IAC La Laguna, Spain; Universität und TU Wien, Austria; IGRAP Marseilles, CEA Saclay, France; Konkoly Observatory, Hungary.

HETDEX - Hobby-Eberly Telescope Dark Energy Experiment: University of Texas, Austin, Pennsylvania State University, Texas A&M University, USA; AIP Potsdam, LMU, USM, Germany.

INTAS - Cooperation of Western and Eastern European Scientists: France, Germany, Norway, Russia.

ISDC - INTEGRAL Science Data Centre: Observatoire de Geneva Saclay, Switzerland; Service d'Astrophysique Centre d'Etudes de Saclay, France; Rutherford Appleton Laboratory Oxon Dept. of Physics University Southampton, UK; Institut für Astronomie und Astrophysik Tübingen, Germany; Danish Space Research Institute Lyngby, Denmark; University College Dublin, Ireland; Istituto di Fisica Milano, Istituto di Astrofisica Spaziale Frascati, Italy; N. Copernicus Astronomical Center Warsaw, Poland; Space Research Institute of the Russian Academy of Sciences Moscow, Russia; Laboratory for High Energy Astrophysics GSFC Greenbelt, USA.

INTEGRAL-Spectrometer SPI: Centre d'Etude Spatiale des Rayonnements (CESR) Toulouse, CEA Saclay Gif-sur-Yvette, France; University de Valencia Burjassot, Spain.

KMOS (a VLT multi-IFU near-infrared spectrograph): Universitätssternwarte München, Germany; University of Durham, ATC Edinburgh, University of Oxford, UK.

LBT - Large Binocular Telescope Project: MPIA Heidelberg, MPIFR Bonn, Landessternwarte Heidelberg Königstuhl, Astrophysikalisches Institut Potsdam, Germany; University of Arizona, Tucson, Ohio State University, Columbus, Research Corporation, USA; INAF, Italy.

Lockman Hole, optical/NIR identifications: Astrophysikalisches Institut Potsdam, ESO Garching, Germany; Istituto di Radioastronomia del CNR Bologna, Italien; Associated Universities Washington, California Institute of Technology Pasadena, Institute for Astronomy Honolulu, Princeton University Observatory, Pennsylvania State University Park, USA; Subaru Telescope NAO Hilo, Japan.

Lucifer (Instrument for LBT): LSW Heidelberg, MPIA, Universität Bochum, Germany.

MICADO - Study for a Multi-Adaptive Optics Imaging Camera for Deep Observations: LMU, USM, MPIA, IFA Göttingen, Germany; INAF Padova, Italy; NOVA, Federation of Dutch University Astronomy Departments, The Netherlands; LESIA, Paris, France.

MXT - Microchannel X-Ray Telescope for Gamma-Ray Bursts: CEA, Saclay; University of Leicester.

OmegaCAM - Wide Field Imager of the VST: ESO Garching, LMU München, Universität Bonn, Universitätssternwarte Göttingen, Germany; Sterrewacht Leiden, University of Groningen, The Netherlands; Osservatorio di Capodimonte, Napoli, OAP Padua, Italy.

OPTIMA: Astrophysikalisches Institut Potsdam, MPI für Astrophysik, Universität Hamburg, Germany; University of Crete, Greece; University Zielona Gora, Poland; University Lund/Observatory, Schweden.

PanSTARRS - Panoramic Survey Telescope & Rapid Response System: MPIA Heidelberg, Germany, University of Hawaii, Harvard University, USA, Johns Hopkins Univ. Baltimore, MD, USA, Universities of Durham, Edinburgh, Belfast, UK.

PK-3 Plus (Plasma-crystal experiment): JIHT Moscow, Russia; University of Iowa City, USA; DLR-Köln, University of Kiel, Germany; Université d'Orléans CNRS, France; Okayama University, JAXA-ISAS, Kyoto Institute of Technology, Japan

PK-4 (Plasma-crystal experiment): JIHT Moscow, Russia; Université d'Orléans CNRS, France; University Stockholm, Schweden, University Napoli, Italy; University Tromsø, Norway; University Liverpool, UK; University Iowa, University Auburn, USA; ESTEC Noordwijk, The Netherlands; DLR Bonn, Germany.

Plasmamedizin: Max Planck Innovation GmbH, Dept. of Dermatology, Hospital Schwabing, München, Medizet Dept. Microbiology, Schwabing, München, Dept. of Dermatology, University Hospital Regensburg, Dept. of Neuropathology, TU München, Institute of Experimental Oncology, TU München, University of Veterinary Medicine, Hannover, Dept. Infectiology & Virology, University Heidelberg, Section Crystallography, LMU München, German Aerospace Center (DLR), Cologne, German Aerospace Center (DLR), Bonn, Dept. of Toxicology, TU München, Hospital for ENT, LMU München, Germany; Joint Institute for High Temperatures of RAS, Institute for Biomedical Problems, RAS, Institute for Epidemiology and Microbiology, RAMS, Institute for Theoretical and Experimental Biophysics, RAS, Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Institute for Physical Chemical Medicine, RAMS, "International Legal Aid" Company, Russia; University of California, Berkeley, Old Dominion University, Norfolk, VA, USA; Loughborough University, Leicestershire, ADTEC Europe Ltd., UK.

PlasmaLab: JIHT Moscow, Russia; GREMI-Orleans, France; Tohoku University Sendai, Japan.

RoPACS - Marie Curie Initial Training Network to study Rocky Planets around cool stars: University of Hertfordshire, Institute of Astronomy, Cambridge, UK; Instituto de Astrofisica de Canarias, Laboratorio de Astrofisica Espacial y Fisica Fundamental, Madrid, Spain; Main Astronomical Observatory, Kiev, Ukraine.

SDSS - Sloan Digital Sky Survey: MPA Garching, MPIA Heidelberg, Germany; Univ. of Washington, Seattle, Fermi National Accelerator Laboratory, Batavia, University of Michigan, Ann Arbor, Carnegie Mellon University, Pittsburgh, Penn State University, University Park, Princeton University Observatory, Princeton, The Institute of Advanced Study Princeton, Space Telescope Science Institute, Baltimore, Johns Hopkins Univ. Baltimore, USA.

SPICA-SAFARI: University of Tokyo, ISA/JAXA, Sagami-hara, Nagoya University, Japan; SRON, Groningen, TU Delft, The Netherlands; RAL, Dittcot, University of Cardiff, Cambridge University, UK; University of Geneva, ETH Zürich, Switzerland; CEA Grenoble, CESR Toulouse, Saclay, CEA Saclay, LAM, Marseille, France; University of Vienna, Austria; MPIA, Heidelberg, Physikalisch Technische Bundesanstalt, Berlin, Germany; CAB-INTA, Madrid, Spain; IFSI-INAF, Rome, Italy; KU Leuven, Belgium; University of Lethbridge, Canada; NUI Maynooth, Ireland.

Swift - Gamma-Ray Burst Mission: NASA/GSFC Greenbelt, Penn State University, USA; University of Leicester, Mullard Space Science Laboratory London, UK; Osservatorio Astronomico Brera, Italy.

Topical Team - Critical Point in Complex Plasmas: ESA, Paris, France; JAXA, Tokyo, Japan; JIHT, Moskow, Russia.

XMM-Newton/SSC (Survey Science Center): Astrophy-

sikalisches Institut Potsdam, Germany; SAP Saclay, CDS Strasbourg, CESR Toulouse, France; University of Leicester, Institute of Astronomy Cambridge, MSSL London, UK.

XMM-Newton/EPIC (European Photo Imaging Camera): SAP Saclay, IAS Orsay, CESR Toulouse, France; Univer-

sity of Leicester, University Birmingham, UK; CNR Mailand-Palermo-Bologna-Frascati, Osservatorio Astronomico Mailand, Italy; Institut für Astronomie und Astrophysik Tübingen, Germany.

Industrielle Kollaborationen

3d shape GmbH, Erlangen: Metrology for slumped glass mirror study.

ABN GmbH, Neuried: Ongoing servicing of the MPE test facility PANTER.

ADTEC Plasma Technology Co. Ltd., Hiroshima: Development of a low-temperature plasma device for in-vivo sterilisation in medical applications.

Albedo GmbH, Neubiberg; Soft- and hardware developments for PK-3 Plus; electronics for SDD readout.

Array Electronics, Eggenstein: DAQ development OPTIMA.

BASF Coatings AG, Münster: Investigations on the scattering properties of micro particles.

Bernhard halle Nachfolge GmbH, Berlin: Optics for Gravity.

Berner & Mattner Systemtechnik GmbH, München: PK-4 documents, construction of plasma diagnostics system.

Bonerz engineering, Weiler-Simmerberg: printed circuit board development, electronics development.

Buchberger GmbH, Tuchenbach: Manufacturing of parts for PANTER manipulators; FIFI-LS; parts for CAST.

EADS Astrium Munich: Euclid design study.

ESS, Landsberg: Servicing of the electrical installation; Manufacturing of electrical devices for the test facilities PANTER, CALIFA and PUMA.

ESL GmbH, Berlin: Manufacturing of circuit boards.

Euro Hect Pipes, Nivelles, Belgium: Cooling System for eROSITA.

Freyer GmbH, Tübingen: PANTER, parts for LUCIFER.

Guido Lex Werkzeugbau GmbH, Miesbach: Structural parts for FIFI-LS, parts for LUCIFER.

Hans Englert GmbH, Berlin: Manufacturing of front panels and metering devices.

HPS München: Environmental testing eROSITA.

IABG: MLI for eROSITA.

IMEC, Leuven, Belgium: Manufacturing of cryogenic electronics in new CMOS technology for IR-detectors on Herschel-PACS; FIFI-LS; SAFARI.

Ingenieurbüro Buttler, Essen: Development of front-end electronics for IXO and eROSITA.

Ingenieurbüro pfma, Haar-Salmdorf: SAFARI.

Ingenieurbüro Weisz, München: Design and mechanical engineering for LUCIFER; Mechanical design for GRAVITY.

Invent GmbH, Braunschweig: CFRP-Telescopestructure for eROSITA.

Kaiser Optical Systems, Inc, Ann Arbor, USA: VIRUS-W VPH grating.

Kayser-Threde GmbH, München: Plasma-crystal experiments on the ISS; PKE; PK-3 Plus; PK-4; mechanical Structure for eROSITA mirrors; EUCLID design study.

Kugler GmbH, Salem: FIFI-LS; GRAVITY.

Laserjob GmbH, Grafrath: Development of X-ray baffles for eROSITA.

Media Lavio Technologies, Borisio Parini, Italy: eROSITA mirror system.

Menlo Systems, Martinsried: Metrology Laser for GRAVITY.

Newport, Darmstadt: Cryogenic rotation stages for GRAVITY:

PNSensor, München: Development and Manufacturing of semiconductor detectors; Mounting of semiconductor Systems; ARGOS.

Physik Instrumente Karlsruhe: Cryogenic Piezo Actuators for GRAVITY.

RUAG Austria: Telescope-Cover-Mechanism for eROSITA.

Scientific Instruments, Tucson, USA: Construction of the 16x16K CCD Mosaic Detector of the Wendelstein Wide Field Camera.

Siegert Electronics GmbH, Cadolzburg: Read-out electronic boards for FIFI-LS; SAFARI.

Stöhr Amaturen, Königsbrunn: Cryostat for GRAVITY.

Technotron, Lindau: Development and manufacturing of electronics boards for eROSITA.

von Hoerner & Sulger, Schwetzingen: Manufacturing for PK-4.

Aktivitäten im Wissenstransfer

Durch unsere vielen Kooperationen mit anderen Forschungseinrichtungen und der Industrie ergibt sich ein natürlicher Wissenstransfer. Dies gilt auch bei der Vergabe von Aufträgen an die Industrie. Im Gegensatz dazu sind im Folgenden industriefinanzierte Forschungsk Kooperationen bzw. Beratungstätigkeiten sowie erteilte Patente und vergebene Lizenzen aufgeführt.

A) Industriefinanzierte Forschungsk Kooperationen

Dr. Johannes Heidenhain-Stiftung, Traunreut: Technologische Entwicklung auf dem Gebiet der Röntgenoptik und Röntgenspektroskopie; Entwicklung schneller Detektoren für Infrarot- und Röntgenstrahlung.

OHB-System GmbH, Bremen: Voruntersuchung für einen flexiblen S/W Simulator für Kleinsatelliten.

ADTEC Plasma Technology Co. Ltd., Hiroshima (Japan): Plasmamedizin.

PNSensor, München, Aufbau und Test eines Röntgen-Gamma-Strahlen-Detektors.

B) Lizenzen

ADTEC, Japan, Plasma Torch.

Biocam GmbH, Regensburg: Dermatoscopy.

Baader Planetarium GmbH, Mammendorf: Reflexionsgitter Spectrograph für Lehrzwecke.

PNSensor, München, Detektortechnologie.

Baader Planetarium GmbH, Mammendorf: Baches Echelle Spectrograph.

C) Kooperationen mit Universitäten (vertraglich)

Anästhesiologie:

Klinik für Anästhesiologie, Klinikum Rechts der Isar, TU München.

Scanning Probe Microscopy and Ramam Spectroscopy:
Department of Neuropathology, Technical University Munich.

Institut für Kristallographie und Angewandte Mineralogie, LMU München.

Radiology:

Institut für Röntgendiagnostik, TU München.

Rastersonden-Mikroskopie:

Bayerisches Landeskriminalamt, StZ, München.

Plasmamedizin:

Department of Chemical Engineering, University of California, Berkeley.

Department of Neuropathology, TU Munich.

Department of Infectiology & Virology, University Heidelberg.

Department of Toxology, TU Munich.

Hospital for ENT, LMU München.

Institute of Experimental Oncology, TU Munich.

Klinik für Dermatologie, Allergologie und Umweltmedizin, Städtisches Klinikum München GmbH, München.

Klinik und Poliklinik für Dermatologie, Universität Regensburg.

Institute for Biomedical Problems of the Russian Academy of Sciences, Moscow.

Institute for Epidemiology and Microbiology of the Russian Academy of Medical Sciences, Moscow.

Institute for Theoretical and Experimental Biophysics of the Russian Academy of Sciences, Moscow.

Institute for Problems of Chemical Physics of the Russian Academy of Sciences, Moscow.

Institute for Physical Chemical Medicine of the Russian Academy of Medical Sciences, Moscow.

Loughborough University, Department of Electronic and Electrical Engineering: Plasma Medicine.

Old Dominion University Norfolk, Laser & Plasma engineering Institute: Plasma Medicine.

Städtisches Klinikum München GmbH, Mikrobiologie Zentrallager Schwabing: Plasma Medicine.

University of Veterinary Medicine Hannover, Institute for food quality and food safety: Plasma Medicine.

Detektorentwicklung:

Universität Mannheim, ASIC Entwicklung.

Politecnico di Milano, Analog-Elektronik Entwicklung.

D) Patente - Aktivitäten in 2011

Patent 0207-4211: Dental Plaster

Patent 0207-4333: Verfahren/Vorrichtung zur Erhöhung der Hygiene in Behältnissen

Patent 0207-4334: Bodenreinigungsgerät mit einem Plasmaapplikator

Patent 0207-4345: Plasma-aktivierte Flüssigkeiten

Patent 0207-4361: Kapillarelement für Plasmaquellen zur Führung reaktiven Plasmaspezies

Patent 0207-4398: Plasma Design für die Zerstörung von Gerüchen

Patent 0207-4400: Plasma Design für bakterizide Effekte

Patent 0207-4406: Rekonstr. von Energie und Geschwindigkeit von Staubteilchen in Plasmen mittels Teilcheneinfang in Aerogelen

Patent 0207-4421: Plasma Cloth

Patent 2070-4472: Plasmaquelle für O₃-reduziertes Plasma

Das MPE hält derzeit insgesamt 40 Patente.

