



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

Annual Statistics 2007

PERSONNEL

Directors

Prof. Dr. R. Bender, Optical and Interpretative Astronomy, also Professorship for Astronomy/Astrophysics at the Ludwig-Maximilians-University Munich

Prof. Dr. R. Genzel, Infrared and Submillimeter-Astronomy, also Prof. of Physics, University of California, Berkeley, USA

Prof. Dr. G. Hasinger, X-Ray- and Gamma-Ray Astronomy (Managing Director)

Prof. Dr. G. Morfill, Theory, Non-linear Dynamics, Complex Plasmas

Prof. Dr. G. Haerendel (emeritus)

Prof. Dr. R. Lüst (emeritus)

Prof. Dr. J. Trümper (emeritus)

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Scientific Secretary

Dr. W. Collmar

External Scientific Members

Prof. Dr. E. van Dishoeck, Universit t Leiden (The Netherlands)

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

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

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

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

Curators (together with the MPI for Astrophysics)

I. Aigner, Mitglied des Bundestages, Gmund

Dr. L. Baumgarten, Vorstandsmitglied DLR

Prof. Dr. A. Bode, TU M nchen (Vizepräsident)

J. Breilkopf, Kayser-Threde GmbH, M nchen

D. Dauke, Bundesministerium f r Wirtschaft und Technologie, Berlin

H.-J. D rrmeier, S ddeutscher Verlag, M nchen

Prof. Dr. W. Glatthaar, DG Bank (Chair of the Curatorium), Stuttgart

Dr. G. Gruppe, Bayerisches Staatsministerium f r Wirtschaft, Verkehr und Technologie, M nchen

Prof. Dr. B. Huber, Rektor der LMU M nchen

Dr. M. Mayer, ehem. Mitglied des Bundestages, H henkirchen

Prof. Dr. E. Rohkamm, Thyssen Krupp AG, D sseldorf

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

Prof. Dr. O. Havnes, University of Tr ms  (Norway)

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

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

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

Friedrich Wilhelm Bessel - Research Award of the A. von Humboldt Stiftung

Dr. A. Cimatti, Istituto Nazionale de Astrifisica (INAF), Arcetri (Italy)

A. v. Humboldt Fellows

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

Dr. F. Martins, Observatoire Midi-Pyr n es (France)/ Geneva Observatory (Switzerland)

Dr. V. Yaroschenko, Universiteit Gent (Belgium)

Prof. M. Horanyi, University of Colorado (USA)

MPE Senior Research Fellow

Dr. K. Iwasawa

Scientific Honours, Appointments

Genzel, Reinhard: Celsius Lecture, University of Uppsala (Sweden)

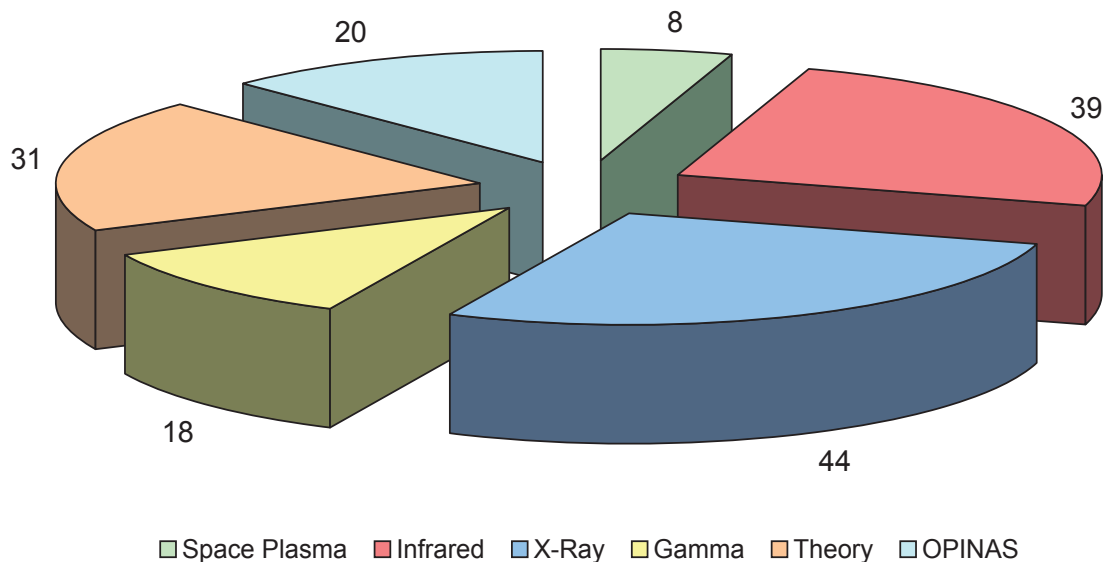
Genzel, Reinhard: Albert-Einstein-Medaille der Albert-Einstein Gesellschaft (AEG), Bern (Switzerland)

Gerhard, Ortwin: President of Division VII (Galactic System) of the International Astronomical Union

Hasinger, G nther: President of Division XI (Space and High-Energy Astrophysics) of the International Astronomical Union

Science Groups

Staff Members by Science Group



Space Physics of the Near-Earth Environment

Team Assistant: Zanker-Smith, J.

Georgescu, Dipl.-Phys. E.; Haaland, Dr. S.; Klecker, Dr. B.; Leistner, Dipl.-Phys. G.; Marghitu, Dr. O. (until 15.5., 19.6.-27.7., since 5.11.); Pitout, Dr. F. (until 31.1.); Volwerk, Dr. M.

Guests

Bogdanova, Dr. Y. (30.7.- 3.8.); Bunesco, C. (19.2.-15.5., 5.11.-21.12.); Chen, Dr. L.-J. (23.7.-22.8.); Comisel, Dr. H. (12.4.-15.5., 27.8.-31.10., 19.11.-21.12.); Dröge, Dr. W. (19.3.-24.3.); Karlsson, T. (15.1.-3.2.); Kartavykh, Dr. J. (17.2.-24.3., 21.10.-10.11.); Lee, Prof. M. (6.-10.3.); Matsukiyo, Dr. S. (22.-30.8.); Nakamura, Dr. R. (19.-22.6.); Pitout, Dr. F. (8.-16.3., 11.-22.6.)

PhD / Diploma

Blagau, A. (Klecker)

Infrared / Submillimeter-Astronomy

Secretary: Harai-Ströbl, S.

Agudo Berbel, A.; Bartko, Dr. H. (since 15.11.); Bauer, Dipl.-Phys. O.; Berta, Dr. S. (since 3.9.); Bouché, Dr. N.; Contursi, Dr. A.; Cresci, Dipl.-Phys. G.; Davies, Dr. R.; Eisenhauer, Dr. F.; Feuchtgruber, Dipl.-Phys. H.; Förster Schreiber, Dr. N.; Friedl, A.; Geis, Dr. N.; Gemperlein, H.; Gillissen, Dr. S.; Gräter, A.; Gueguen, A. (since 15.11.); Hamaus, N.; Hartinger, Dr. C.; Hicks, Dr. E.; Hofmann, Dr. R.; Katterloher, Dr. R.; Kleiser, A.; Kornberg, Dr. M.; Krombach, H.; Lutz, Dr. D.; Martins Dr. F.; Müller, Dr. T.; Osterhage, S.; Poglitsch, Dr. A.; Popesso, Dr. P. (since 1.1.); Raab, Dr. W.; Rabien, Dr. S.; Schmid, Dr. W. (until

30.9.); Sturm, Dr. E.; Tacconi, Dr. L.; Wetzstein, Dr. M.; Wildgruber, G. (until 31.8.)

Guests

Bland-Hawthorn, Prof. J. (3 months, with ESO); Cimatti, Dr. A. (7.-31.5.); Jaffe, Prof. D. (2.-29.6.); Mor, R. (9.-20.7.); Netzer, Prof. H. (1.7.-17.8.); Saykally, Prof. R. (1.17.8.); Shapiro, Dr. K. (29.5.-17.6., 10.-21.9., 10.-13.12.); Sternberg, Prof. A. (6.-17.6., 10.-14.9.)

PhD / Diploma

Buschkamp, P. (Hofmann); Dodds-Eden, K. (since 18.4., Genzel); Engel, H. (since 3.9., Davies); Genel, S. (Genzel); Harayama, Dipl.-Phys. Y. (until 31.1., Eisenhauer); Hölzl, G. (since 1.11., Rabien); Kolmeder, J. (since 8.5., Eisenhauer); Müller Sanchez, F. (Davies); Pfuhl, O. (since 15.10., Eisenhauer); Rank, S. (until 30.9.); Schropp, M. (until 30.9., Rabien); Schweitzer, Dipl.-Phys. M. (Genzel); Trippe, Dipl.-Phys. S. (Genzel); Valiante, Dipl.-Phys. E. (Lutz/Sturm)

X-Ray Astronomy

Secretary: Boller, B.

Andritschke, Dr. R.; Aschenbach, Dr. B.; Becker, Prof. Dr. W.; Boller, Prof. Dr. T.; Braig, Dr. C.; Bräuninger, Dr. H.; Briel, Dr. U.; Brunner, Dr. H.; Brusa, Dr. M.; Burkert, Dr. W.; Burwitz, Dr. V.; Carlson, Dr. A.; Dennerl, Dr. K.; Finoguenov, Dr. A.; Frankenhuizen, W.; Freyberg, Dr. M.; Friedrich, Dr. P.; Haberl, Dr. F.; Hartner, Dipl.-Math. G.; Hirschinger, M.; Iwasawa, Dr. K.; Komossa, Dr. S.; Lemson, Dr. G.; Meidinger, Dr. N.; Mießner, D.; Misaki, K.; Müller, Dr. A.; Nosenko, V.; Pfeffermann, Dipl.-

Phys. E.; Pietsch, Dr. W.; Porro, Dr. M.; Predehl, Dr. P.; Ramirez, Dr. J.M.; Schaller, G.; Schopper, Dr. F.; Shen, Dr. S.; Silverman, Dr. J.; Strateva, Dr. I.; Strüder, Prof. Dr. L.; Szokoly, Dr. G.P.; Treis, Dr. J.; Voges, Dr. W.; Vongehr, M.;

Guests

Akyz, A. (until 23.2.); Bianchi, S. (15.-19.10.); Carrera Ebrero, J. (21.4.-20.6.); Chaudhary, P. (since 1.9.); Chupp, E. (6.-15.7.); Filipovicz, M. (9.9.-7.11.); Ghosh, P. (13.5.-14.6.); Giodini, S. (until 31.1.); Griffith, R. (10.6.-3.8.); Guzzo, L. (6.3.-31.7.); Gvaradmatze, V. (1.10.- 23.12.); Hatzidimitriou, D. (15.6.-25.8.); Heng, K. (25.6.-27.7.); Iyudin, A. (6.-26.6., 7.-21.11.); James, B. (19.-30.11.); McCracken, H. (19.-30.11.); Mineo, S.; Mohr, J. (until 2.7.); Mois, A. (4.6.-3.8.); Myaji, T. (22.6.-1.7., 8.-13.7., 23.11.-4.12.); Nandra, P. (14.-16.3.); Peacock, J. (25.-30.11.); Raut, D. (17.-28.4.); Salvato, M. (16.-21.4.); Schmidt, P. (1.-31.7.); Trinchieri, G. (1.7.-31.8.); Voss, R. (1.8.-31.10.); Wang, J.M. (since 12.11.); Xu, D. (12.10.-10.11.); Yanli, A. (23.-30.9.); Zhou, H. (since 30.5.)

PhD / Diploma

Balestra, Dipl.-Phys. I. (Boller); Bauer, Dipl.-Phys. M. (Pietsch); Cappelluti, Dipl.-Phys. N. (Hasinger); Chaudhary, Dipl.-Phys. P. (since 1.9., Hasinger); Eger, P. (ab 1.10., Haberl); Fedl, V. (Strüder); Fürmetz, Dipl.-Phys. M. (Predehl); Grünecker, B. (since 1.5., Becker); Henze, Dipl.-Phys. M. (since 1.9., Pietsch); Huang, Dipl.-Phys. H.-H. (Becker); Hui, D. (Becker); Hyde, E. (Meidinger); Jocham, C. (since 1.6.); Kimmel, N. (Strüder); Lauf, T. (Strüder); Mühlegger, Dipl.-Phys. M. (Hasinger); Posselt, Dipl.-Phys. B. (Haberl/Voges); Rabe, J. (ab 1.6.); Stiele, H. (Pietsch/Hasinger); Schächner, Dipl.-Phys. G. (Meidinger); Wölfel, Dipl.-Phys. S. (Strüder); Trepl, L. (Becker)

Gamma-Ray Astronomy

Team Assistent: Frankenhuizen, W.

Ajello, Dr. M. (since 1.5.); Bribian-Sanchez, B.; Diehl, Dr. R.; Greiner, Dr. J.; Kanbach, Dr. G.; Kienlin von, Dr. A.; Küpcü Yoldas, Dr. A.; Lichti, Dr. G. (until 30.9.); McBreen, Dr. S.; Petry, Dr. D.; Rehm, D.; Sala, Dr. G.; Savaglio, Dr. S.; Strong, Dr. A.; Voss, Dr. R. (since 1.11.); Yoldas, A.; Zhang, Dr. X.-L.

Guests

Bhargavi, Dr. S.G. (1.7.-31.10.); Halloin, Dr. H. (until 30.6.); Hartmann, Prof. D. (1.-31.8., 1.-31.10.); Iyudin, Dr. A., Ohlendorf, H. (1.3.-30.4., 1.8.-30.9.); Suades, M. (1.9.-31.12.); Porter, Dr. T. (25.-30.11.)

PhD / Diploma

Ajello, Dipl.Phys. M. (until 30.4., Kanbach); Afonso, P. (since 1.9.); Bissaldi, Dipl.-Phys. E. (Lichti); Bottacini, E. (Greiner); Brunschweiler, J. (until 30.11., Greiner); Clemens, C. (Greiner); Duscha, S. (Kanbach); Huber, B. (Kanbach); Kretschmer, K. (until 31.8., Diehl); Krühler, T. (Greiner); Lang, M. (Diehl); Löw, S. (since 1.10., Greiner); Naumann, A. (until 30.11., Diehl); Orlando, E. (Strong); Prymak, N. (Greiner); Stefanescu, A. (Kanbach); Wang,

W. (until 31.10., Diehl)

Theory & Complex Plasmas

Secretary: Langer, A. / Collmar, E.

Aschenbrenner, Dr. T.; Böhringer, Dr. H.; Bunk, Dr. W.; Höfner, Dipl.-Phys. H.; Ivlev, Dr. A.; Jamitzky, Dr. F.; Khrapak, Dr. S.; Klumov, Dr. B.; Knapek, Dr. C. (since 1.11.); Kompaneets, Dr. R. (since 1.8.); Konopka, Dr. U.; Kretschmer, Dr. M.; Li, Dr. Y.; Monetti, Dr. R.; Nosenko, Dr. V.; Pierini, Dr. D.; Pompl, Dr. R.; Pratt, Dr. G.; Pustylnik, Dr. M.; Räth, Dr. C.; Rubin-Zuzic, Dr. M.; Scheingraber, Dr. H.; Shimizu, Dr. T.; Shizu, Dr. S.; Sidorenko, Dr. I.; Thoma, Dr. M.; Thomas, Dr. H.; Yaroshenko, Dr. V.; Zhdanov, Dr. S.

Guests

De Angelis, Prof. U.; Fortov, Prof. V.; Horanyi, Prof. M. (until 7.8.); Joyce, Prof. G. (ab 5.12.); Khrapak, Prof. A. (1.10.-30.11.); Martin, Dr. J. (until 31.10.); Steinberg, Prof. V. (until 30.4.); Takahashi, Dr. K. (until 31.3.); Tsytovitch, Prof. V. (until 30.4., 3.-29.7., ab 1.12.); Vladimirov, Prof. S. (1.-31.6.)

PhD / Diploma

Antonova, Dipl.-Phys. T. (Morfill); Braglia, F. (Böhringer); Brandt, Dipl.-Phys. P. (Morfill); Chaudhuri, M. (Morfill); Faßbender, Dipl.-Phys. R. (Böhringer); Fink, Dipl.-Phys. M. (Morfill); Heidemann, R. (Thomas); Huber, Dipl.-Phys. P. (Morfill); Jiang, Ke (Morfill); Knapek, Dipl.-Phys. C. (until 25.10., Morfill); Kompaneets, Dipl.-Phys. R. (until 31.7., Morfill); Mitic, S. (Morfill); Santos, J. (Böhringer); Schwabe, M. (Konopka); Simionescu, A. (Böhringer); Sütterlin, Dipl.-Phys. R. (Morfill); Zhang, Y.-Y. (Böhringer);

Optical and Interpretative Astronomy

Secretary: Rieperding, M.

Burkert, Prof. Dr. A., MPE Fellow; Coccato, L. (since 1.4.); Drory, Dr. N.; Gabasch, Dr. A.; Gerhard, Prof. Dr. O.; Grupp, Dr. F.; Hopp, Dr. U.; Kortaba, H.; Krause, Dr. M. (since 1.9.); Montalto, Dr. M. (since 1.7.); Muschiello, Dr. B.; Noll, Dr. S. (1.4.-31.8.); Noyola y Loya, Dr. E.; Phleps, Dr. S.; Relke, Dr. H.; Saglia, Dr. R.; Schartmann, Dr. M. (since 31.8.); Snigula, Dr. J.; Wilman, Dr. D.; Zibetti, Dr. S. (until 31.8.)

Guests

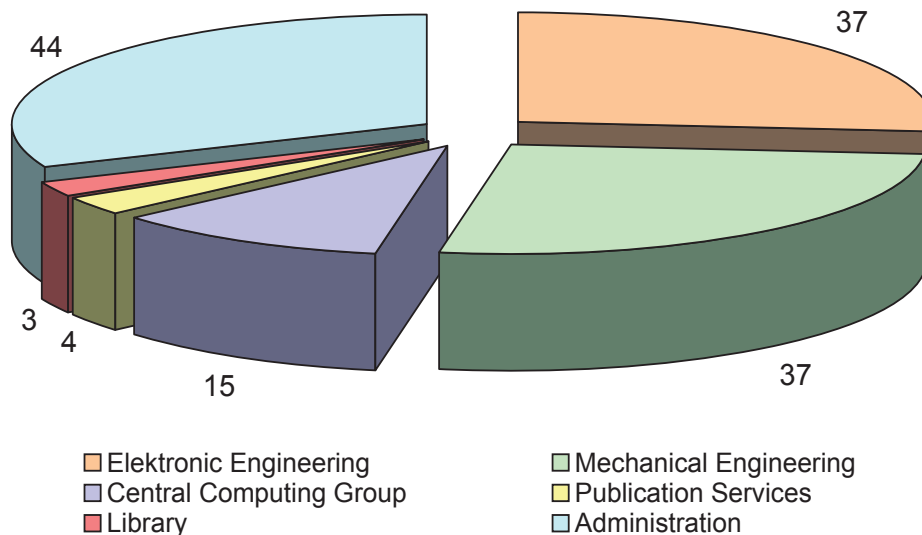
Gebhardt, Dr. K.-H. (15.7.-14.9.); Komatsu, Dr. E. (11.6.-24.8.); Kormendy, Dr. J. (11.7.-11.10.); Poggianti, Dr. B. (1.3.-31.8.)

PhD / Diploma

Balaguera Antolinez, A. (Bender); Connelly, J. (since 1.9.); Das, P. (Gerhard); De Lorenzi, Dipl.-Phys. F. (Gerhard); Hirschmann, M. (Burkert); Köhler, R. (Bender); Köppenhöfer, Dipl.-Phys. J. (until 31.5., Saglia); Montasano F. (since 1.9.); Nieves, Dipl.-Phys. L.A. (until 30.4., Bender); Nowak, Dipl.-Phys. N. (until 31.10., Saglia); Pannella, Dipl.-Phys. M. (until 31.1., Bender); Ulubay Siddiki, Dipl.-Phys. A. (Gerhard); Ventimiglia, G. (until 1.8., Gerhard); Walch, Dipl.-Phys. S. (until 31.8., Burkert)

Engineering and Workshops

Engineering, Workshops, Central Services Staff



Electronic Engineering

Tarantik, Dipl.-Ing. K. (Head of Electronics)
 Albrecht, Dipl.-Ing. S.; Albrecht, F. (30.7.-7.9.); Barl, Dipl.-Ing (FH) L.; Bornemann, Dipl.-Ing (FH) W.; Burghardt, Dipl.-Ing (FH) T.; Buron, A. (6.8.-7.9.) Cibooglu, H.; Deuter, M.; Emslander, A.; Fumi, Dr. F.; Gressmann, R.; Hagl, Dipl.-Ing (FH) T.; Hälker, Dipl.-Ing (FH) O.; Hans, O., Hengmith, M.; Herrmann, Dipl.-Ing (FH) S.-C.; Huber, Dipl.-Ing (FH) F. (since 1.12.); Jakob, Dipl.-Ing (FH) G. (until 31.10.); Kellner, Dipl.-Ing (FH) S.; Kink, Dipl.-Ing (FH) W.; Langer, P.; Lederer, R.; Lieb, W. (until 31.10.); Müller, Dipl.-Ing (FH) S.; Oberauer, F.; Rau, Dipl.-Ing (FH) C.; Reiss, P.; Rothermel, Dr. H.; Rupprecht, T.; Schneider, M.; Schrey, F.; Steffes, B. (until 30.9.); Wildgruber, Dipl.-Ing. G. (since 24.9.); Yaroshenko, V.; Zanker-Smith, J.; Ziegleder, Dipl.-Ing (FH) J. (since 1.3.)

Diploma

Ziegleder, Dipl.-Ing (FH) J. (until 28.2.)

Mechanical Engineering

Thiel, Dipl.-Ing. M. (Head of Mechanics)
 Arzt, S. (since 1.3.); Bayer, R.; Blasi, T.; Brandstetter, J.; Brara, A.; Budau, B.; Czempiel, S.; Deysenroth, C.; Deysenroth, M.; Dietrich, G.; Dittrich, Dipl.-Ing (FH); K.;

Eibl, J.; El-Masry, J.(1.3.-31.8.) Feldmeier, P.; Gahl, J.; Goldbrunner, A.; Haug, Dipl.-Ing. (FH) M.; Honsberg, M.; Huber, N. (until 28.2.); Huber, S.; Huber, F.-X.; Huber, Dipl.-Ing H.; Kestler, H.-J.; Liebhardt, J.; Mayr, R.; Mayr-Ihbe, R.; Mican, Dipl.-Ing. B.; Plangger, M.; Pietschner, Dipl.-Ing. (FH) D. (since 1.10.); Rohe, C.; Sandmair, R.; Schnell, P.; Schunn, W.; Soller, F.; Straube, P.; Tiedemann, Dipl.-Ing. L. (since 1.7.)

Apprentices

Arzt, S. (until 28.2.); Bibracher, M.; El-Masry, J.(until 28.2.); Hartwig, J.; Hasinger, S.; Huber, D. (since 1.9.); Niemetz, E.; Schindlmeier, M.; Schneider, A.; Senftleben, S. (since 1.9.)

Work Experience (Schools)

Aumer, T. (26.2.-7.3.); Dirscherl, C. (10.-13.4.); Greil, M. (22.-26.10.); Meier, C. (29.5.-1.6.); Oglou, E. (14.-18.5.); Pütz, D. (26.3.-5.4.); Rödle, J. (5.-9.2)

Work Experience (University)

Eben, K. (12.3.-5.4.); Daniel, P. (3.-28.9.); Dittrich, S. (24.9.-12.10); Falahatkar, N. (15.10.-21.12.); Vogt, K. (18.6.-27.7.); Weber, S. (16.4.-25.5.)

Central Services

Computing

Central Computing Committee

Bauer, Dipl.-Phys. O.H. (Head)
 Bohnet, Dipl.-Phys. A.; Burwitz, Dr. V.; Haberl, Dr. F. (deputy); Jamitzky, Dr. F.; Leistner, G.; Lutz, Dr. D.; Müller, Dipl.-Ing. (FH) S.; Ott, Dr. T.; Petry, Dr. D.; Rubin-Zuzic, Dr. M.

Central Computing Support Group

Bauer, Dipl.-Phys. O.H. (Head)
 Baumgartner, H. (Netzwerk, Systemsupport); Bohnet, Dipl.-Phys.A. (Systemsupport Optische und Interpretative Astronomie); Kleiser, A. (Druckerbetreuung); Klose, L. (Netzwerk, Systemsupport); Oberauer, A. (Software, PC Betreuung); Ott, Dr. T. (Systemsupport Infrarot); Paul, J. (Röntgen, Datenschutzbeauftragter); Post, C. (Netzwerk, Systemsupport PC und Linux); Sigl, Dipl.-Ing. (FH) R. (Netzwerkmanagement); Steinle, Dr. H. (Datenbanken, Archivsysteme, WWW); Vaith, Dipl.-Phys. H. (Systemsupport Optische und Interpretative Astronomie, until 31.10.); Wieprecht, Dipl.-Ing. E. (Herschel-PACS); Wiezorrek, Dipl.-Ing. (FH) E. (Herschel-PACS)

Publication Services and Copy Shop

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

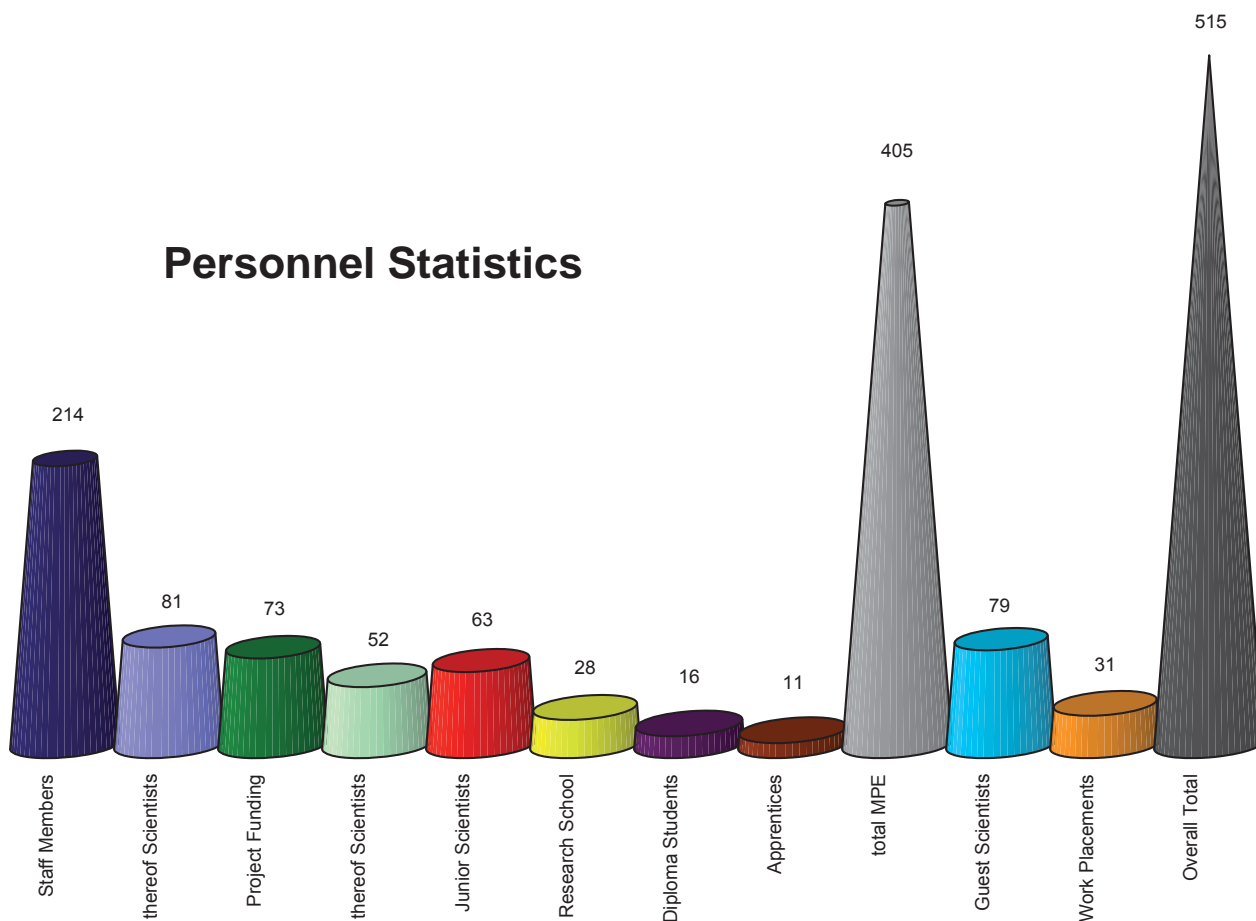
Library

Chmielewski, E. (Head)
 Hardt, C.; Schurkus, R.

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Ihle, M. (Head)
 Sekretariat: Kliem, V.
 Apold, G.; Arturo, A.; Bauernfeind, M; Bidell M. (until 31.1.); Bitzer, U.; Blascheck, M.; Brielmair Ch. (until 28.2.) Cziasto, U.; Doll, E.; Eicher, C. (since 1.4.) ; Ertl, M.; Gießler, Y. (since 18.6.); Goldbrunner, S.; Grasemann, M; Grohmann, M. (since 1.12.); Gschnell, H.-P.; Hübner, R.; Inhofer, I.; Jäkel, T.; Karing, W.; Keil, M.; Kestler, L.; Kürzinger, T.; Lochner, C.; Nagy, A.; Neun, A. (BR); Peischl, M.; Preisler, C.; Reither, A.; Rochner, R.; Rossa, E.; Sandtner, P.; Sarsilmaz, E. (since 1.9.); Scheiner, B.; Schneider, D. (until 31.5.); Seeger, G.; Steinle, R.; Strecker, R.; Stuiber, A.; Thiess, L.; Troll, P.; Vogt, J.P.

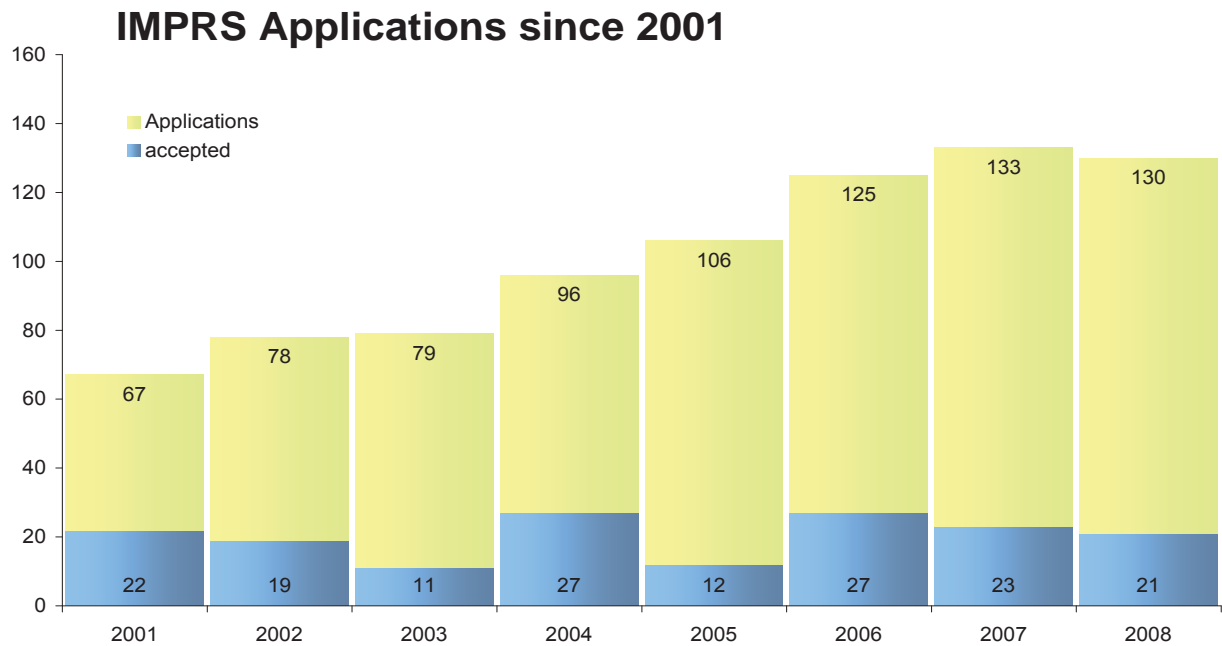
Personnel Statistics



International Max-Planck Research School (IMPRS) for Astrophysics

The IMPRS for Astrophysics is a graduate school at the Ludwig-Maximilians-Universität (LMU) Munich. The school is a joint project of the Max-Planck-Institutes MPE and MPA (Max-Planck-Institute for Astrophysics) as well as the Observatory of LMU Munich and the European

Southern Observatory (ESO). In the academic year 2007 a total of 72 student took part in the program, thereof 22 at the MPE. 130 students applied for the year 2008, 21 of those were accepted



Summary of annual applications for the participation in the IMPRS program in Garching. Since its start in 2001 a total of 814 students applied.

Science Project Teams

(Project managers underlined)

Space Physics of the Near-Earth Environment

ACE / SEPICA
Klecker, Zanker-Smith

CLUSTER / CIS
Klecker, Marghitu, Paschmann, Pitout, Scholer.

CLUSTER / Data Center
Georgescu, Klecker, Leistner, Volwerk.

CLUSTER / EDI
Georgescu, Haaland, Paschmann, Vaith.

Double Star
Georgescu, Haaland, Klecker, Paschmann, Pitout.

ROSETTA-Lander
Haerendel (IUB), Thiel.

SAMPEX / HILT
Klecker, Scholer.

SOHO / CELIAS
Klecker, Scholer, Zanker-Smith.

STEREO / PLASTIC
Klecker, Zanker-Smith.

Infrared / Submillimeter-Astronomy

Deputies to the Director of the Group
Lutz, Tacconi.

GRAVITY
Bartko, Eisenhauer, Gillessen, Gräter, Haug, Hofmann, Kellner, Pfuhl, Rabien, Thiel, Ziegleder.

Herschel-PACS
Bart, Bauer, Berta, Cesarsky, Contursi, Eibl, Feuchtgruber, Friedl, Geis, Gueguen, Hartinger, Jakob, Katterloher, Kleiser, Kornberg, Krombach, Lutz, T. Müller, Osterhage, Poglitsch, Popesso, Schmid, Sturm, Thiel, Wetzstein, Wieprecht, Wiezorrek, Wildgruber.

KMOS
Agudo Berbel, Davies, Förster-Schreiber, Hofmann.

LBT Lucifer
Bouché, Buschkamp, Eisenhauer, Gemperlein, Gillessen, Gräter, Hofmann, Lederer, Straube.

LBT IFU
Eisenhauer, Haug, Müller-Sanchez.

PARSEC
Davies, Huber S, Kellner, Ott, Rabien, Schropp, Ziegleder.

PRIMA Testbed
Abuter, Bartko, Eisenhauer, Gräter, Haug, Kellner, Pfuhl, Rabien, Thiel.

Sofia-FIFI-LS
Fumi, Geis, Hönle, Oberauer, Poglitsch, Raab, Schweitzer.

GaAs-Detektoren
Jakob, Katterloher.

Galaktisches Zentrum
Abuter, Bartko, Dodds-Eden, Eisenhauer, Genzel, Gillessen, Hamaus, Martins, Ott, Pfuhl, Rank, Trippe.

Galaxienkerne
Contursi, Davies, Engel, S. Friedrich, Genzel, Hicks, Hamaus, Lutz, Müller-Sanchez Schweitzer, Sturm, Tacconi.

Galaxien bei hoher Rotverschiebung
Berta, Bouché, Buschkamp, Cresci, Eisenhauer, Förster-Schreiber, Genel, Genzel, Lutz, Popesso, Sturm, Tacconi, Valiante.

X-Ray Astronomy

Astrogrid-D
Carlson, Voges.

CAST
Bräuninger, Strüder.

Chandra
Burwitz, Predehl.

Euro-VO_DCA
Lemson, Voges, Zuther.

GAVO
Kim, Lemson, Voges.

ROSAT
Haberl, Voges.

eROSITA
Andritschke, Bornemann, Bräuninger, Briel, Brunner, Budau, Burkert, Cappelluti, Dennerl, Eder, Freyberg, Friedrich, Fürmetz, Hälker, Hartmann, Hartner, Hasinger, Hengmith, Hermann, Hirschinger, F. Huber, H. Huber, Kink, Meidinger, Mican, Misaki, Mühlegger, Müller, Pfeffermann, Predehl, Rohe, Schächner, Schreib, Strüder, Tiedemann, Vongehr.

SDSS
Böhringer, Boller, Hasinger, Huber M., König, Voges.

SIMBOL-X
Briel, Hälker, Hasinger, Herrmann, Hippmann, Huber, Lechner, Pietsch, Strüder, Treis.

Skinakas Observatorium
Bauer, Hasinger, Lieb.

Swift
Ajello, Brunschweiler, Greiner, Hasinger, Strong.

XEUS

Aschenbach, Boller, Bräuninger, Braig, Burkert, Friedrich, Hasinger, Meidinger, Predehl, Schaller, Strüder, Trümper, Vongehr.

XEUS-WFI

Andritschke, Hälker, Herrmann, Meidinger, Mießner, Schopper, Strüder, Treis, Weidenspointner.

XMM-Newton

Aschenbach, Bohnet, Boller, Bornemann, Briel, Brunner, Burkert, Dennerl, Freyberg, Haberl, Hartner, Hengmith, Hirschinger, Huber, Kink, Meidinger, Müller, Pfeffermann, Pietsch, Predehl, Strüder, Trümper.

Gamma-Ray Astronomy**CGRO (COMPTEL, EGRET)**

Collmar, Diehl, Kanbach, Orlando, Petry, Strong.

GLAST

Bissaldi, Collmar, Diehl, Greiner, Kanbach, Kienlin v., Lichti, McBreen, Steinle, Strong.

GROND

Afonso, Bornemann, Clemens, Greiner, Hasinger, Huber H., Krühler, Löw, Mican, Prymak, Schrey, Szokoly, Yoldas.

INTEGRAL

Diehl, Kienlin v., Kretschmer, Lang, Lichti, Petry, Rehm, Strong, Zhang.

OPTIMA

Duscha, Kanbach, Schrey, Steinle H., Stefanescu.

GRIPS

Ajello, Collmar, Diehl, Greiner, Kanbach, v. Kienlin, Lichti, McBreen, Orlando, Savaglio, Strong.

Nukleare Astrophysik

Diehl, Kienlin, Kretschmer, Lang, Lichti, Strong.

Relativistische Teilchenbeschleuniger

Ajello, Bottacini, Collmar, Diehl, Duscha, Greiner, Kanbach, Orlando, Sala, Stefanescu, Strong.

Gamma-Ray Bursts

Clemens, Duscha, Greiner, Huber B., Kanbach, Krühler, Küpcü-Yoldas, McBreen, Prymak, Savaglio, Stefanescu, Yoldas.

Theory & Complex Plasmas**Plasmlab**

Hagl, Ivlev, Konopka, Morfill, Sütterlin, Tarantik, Thomas, Rubin-Zuzic.

PK-3 Plus

Hagl, Huber, Ivlev, Konopka, Morfill, Rothermel, Sütterlin, Tarantik, Thomas, Rubin-Zuzic.

PK-4

Albrecht, Deysenroth, Fink, Höfner, Kretschmer, Morfill, Rau, Tarantik, Thoma.

PKE-Nefedov

Hagl, Huber, Ivlev, Khrapak, Klumov, Konopka, Kretschmer, Mokler, Morfill, Rothermel, Rubin-Zuzic, Sütterlin, Thomas, Zhdanov.

Praktikumsversuch "Plasmakristall"

Kretschmer, Morfill, Schwabe, Thoma.

Streifenelectrode

Deysenroth, Höfner, Konopka, Li, Morfill, Steffes.

Adaptive Electrode

Antonova, Chaudhuri, Huber, Morfill, Steffes, Thomas.

Diamant-Labor

Jakob, Morfill, Rothermel, S. Shimizu, Thomas.

3-D-Diagnostik

Antonova, Chaudhuri.

Hochenergie Astrophysik

Arevalo, Braglia, Böhringer, Faßbender, Pierini, Pratt, Santos, Simionescu, Zhang, Zimer.

GEC-Labor

Knappek, Konopka, Morfill, Sütterlin, Thomas, Rubin-Zuzic.

Hochfeld Labor

Deysenroth, Konopka, Kretschmer, Morfill, Schwabe, Steffes, Tarantik.

Nicht-lineare Dynamik, Komplexe Systeme

Aschenbrenner, Böhm, Bunk, Jamitzky, Monetti, Müller, Pompl, Räth, Scheingraber.

Plasma Medizin

Bunk, Morfill, Pompl, Shimizu, Steffes.

Optical and Interpretative Astronomy**ASTRO-WISE**

Bender, Saglia, Wilman.

Galaxy Dynamics

Bender, Gerhard, Saglia, Thomas.

KMOS

Bender, Saglia.

Large Scale Structure

Bender, Phleps, Schücker, Saglia, Wilman.

MUNICS

Bender, Hopp, Drory.

OmegaCAM

Bender, Hopp.

PanSTARRS

Bender, Hopp, Phleps, Saglia, Wilman.

Stellare Populationen und Galaxienentstehung

Bender, Hopp, Pierini.

Teaching

IMPRS for Astrophysics Garching

Böhringer

Cosmology, Large-Scale Structure and Galaxy Clusters (WS 07/08)

Boller

Advanced IMPRS lectures on AGN Science (SS 07)

Bender/Saglia

IMPRS introductory course (SS 07)

Genzel

Advanced Course: Experimental Astrophysics: Radio to Optical Wavelength Bands (SS 07)

Hasinger

Advanced Course: Experimental Astrophysics: High Energy Astrophysics

IMPRS MPI for Physics

Thoma

Introduction to Thermal Field Theory (SS 07)

Ludwig-Maximilians-Universität München

Annaratone

Introduction to Complex Plasma (WS 06/07)

Becker

Weißer Zwerge, Neutronensterne und Schwarze Löcher (WS 06/07 und 07/08)

Astrophysikalisches Doktorandenseminar mit den Studenten der International Max-Planck Research School on Astrophysics an der Universität München (WS 06/07 und 07/08)

Gravitationswellen und ihr Nachweis (SS 07)

Astrophysikalisches Doktorandenseminar mit den Studenten der International Max-Planck Research School on Astrophysics an der Universität München (SS 07)

Bender

Astronomisches Hauptseminar zur Astrophysik: „Tools in modern Astrophysics II“ (SS 07)

Astrophysikalisches Praktikum „A“ und Übungen (SS 07)

Astrophysikalisches Praktikum „B“ und Übungen (SS 07)

Astronomisches Kolloquium (SS 07)

Extragalactic Journal Club (E) (SS 07)

Extragalactic group seminar (E) (SS 07)

Dark Matter and Dark Energy (E) (WS 07/08)

Astronomisches Hauptseminar zur Astrophysik: „Tools in modern Astrophysics III“ (WS 07/08)

Astrophysikalisches Praktikum „A“ und Übungen (WS 07/08)

Astrophysikalisches Praktikum „B“ und Übungen (WS 07/08)

Astronomisches Kolloquium (WS 07/08)

Extragalactic Journal Club (E) (WS 07/08)

Extragalactic group seminar (E) (WS 07/08)

Böhringer/Schuecker

Kosmologische Inflation und Dunkle Energie (WS 06/07)

Burkert

Sternentstehung (SS 07)

Gillessen

Astronomisches Hauptseminar zur Astrophysik „Tools in modern astrophysics“ (WS 06/07, SS 07, WS 07/08)

Jamitzky

Programmierkurs Java (SS 07)

Grenzflächen und weiche Materie (SS 07)

Trippe

Seminar „Tools in Modern Astrophysics“ (WS 06/07)

Technische Universität München

Eisenhauer

High Angular Resolution Astronomy: Telescopes, Adaptive Optics, Interferometry, and more (SS 07)

Einführung in die Astrophysik (WS 07/08)

Diehl

Seminar zu Fragen der Astrophysik: „Spectroscopy of Cosmic Light: Elements throughout the Universe“ (WS 06/07) mit Greiner, Hasinger, TUM/LMU/MPA Professoren

Seminar zu Fragen der Astrophysik: „Nuclei in the Cosmos“ (SS 07) mit Greiner, Hasinger, TUM/LMU/MPA Professoren

Seminar zu Fragen der Astrophysik: „Accelerators throughout the Cosmos“ (WS 07/08) mit Greiner, Hasinger, TUM/LMU/MPA Professoren

Kretschmer, M.

Fortgeschrittenenpraktikum III und IV - Versuch 03: Plasmakristall (WS 06/07)

Universitat Polytechnica de Catalunya, Barcelona, Spain

Diehl

Astrophysics Lecture Series for Graduate Students: „Nuclear Astrophysics with Cosmic Gamma-ray Observations“ (SS 07)

University of California Berkeley, USA

Genzel

Modern Experimental Astrophysics: New Tools for Infrared Astronomy (07)

Johann Wolfgang Goethe-Universität Frankfurt am Main

Boller

Einführung in die Astrophysik I (WS 06/07)
Astrophysik III - Master Course (WS 06/07)
Einführung in die Astrophysik II (SS 07)
Astrophysikalisches Praktikum (SS 07)
Astrophysik III - Master Course (WS 07/08)
Einführung in die Astrophysik I (WS 07/08)

Universität Gießen

Thoma

Physik des Quark-Gluon-Plasmas (SS 07)
Einführung in die Transporttheorie (WS 07/08)

University of Padova, Italy

Boller

Distribution functions and advanced AGN science (SS 07)

Nicolaus Copernicus University, Torun, Poland

Summer School on „Active Galactic Nuclei at the highest angular resolution: theory and observations“

Davies

Adaptive Optics: Observations and Prospects for AGN Studies (07)

Organisation of Seminars and Conferences

Astronomy with Laser Guide Star Adaptive Optics, Schloß Ringberg, Germany, 29.10.-2.11.2007, Organisation: W. Brandner, S. Hippler, R. Davies.

Dynamics of Galaxies, St. Petersburg, Russia, 6.-10.8.2007, Organisation: K.C. Freeman, L. Ossipkov, I. Pasha, J. Sellwood, J. Binney, T. de Zeeuw, J. Einasto, O. Gerhard, Yu. Gnedin, A. Rastorguev, L. Sparke, R. Spurzem, A. Toomre.

EPIC Consortium Conference, University of Leicester, Leicester, UK, 11.-13.9.2007, Organisation: M. Arnaud, U.G. Briel, P. Caraveo, P. Ferrando, E. Kendziorra, G. Palumbo, S. Sembay, M. Turner, G. Villa.

European Geosciences Union, General Assembly 2007, Planetary and Solar System Sciences Programme, Vienna, Austria, 15.-20.4.2007, Organisation: H. Krüger, T.G. Müller, G. Schwehm.

Five Years of INTEGRAL, Chia Laguna, Italy, 17.-19.10.2007, Organisation: P. Ubertini, R. Diehl, A. Bazzano, C. Winkler.

Galactic Center Workshop 2007: Celebrating 15 years of precision astronomy in the Galactic Center - hot topics and observational challenges, Schloß Ringberg, Germany, 17.-23.6.2007, Organisation: S. Gillessen, R. Genzel, S. Harai-Ströbl, L. Tacconi.

Galactic Positrons I., Berne, Switzerland, 24.-27.1.2007, Organisation: N. Prantzos, R. Diehl.

Galactic Positrons II, Berne, Switzerland, 24.-26.10.2007, Organisation: N. Prantzos, R. Diehl.

Gas Accretion and Star Formation in Galaxies, Garching, Germany, 10.-14.9.2007, Organisation: J. Bergeron, A. Burkert, C. Carilli, F. Combes, A. Fabian, R. Genzel, O. Gerhard, T. Heckman, G. Kauffmann, R. Kennicutt, E. Quataert, P. Rosati, R. Sancisi, K. Sembach, M. Shull, I. Smail, J. Tan.

High Energy in Space - An International Symposium in Memory of Beppo Occhialini and Livio Scarsi, Palermo, Italy, 11.-13.10.2007, Organisation: J.A.M. Bleeker, M. Brai, G. D'Alì Staiti, M.C. Maccarone, L.L. Maraschi, G. Palumbo, G. Perola, P. Picozza, K. Pinkau, A. Russo, B. Sacco, S. Sciortino, G. Sironi, J. Trümper, A.A. Watson.

PK-3 Plus and PK-4 Science Meeting, Schloß Ringberg, Germany, 24.-26.1.2007, Organisation: M.H. Thoma, G.E. Morfill, H.M. Thomas.

REXCESS Collaboration Workshop, Frauenwörth am Chiemsee, Germany, 14.-16.5.2007, Organisation: G.W. Pratt, H. Böhringer.

Simbol-X: the hard X-ray universe in focus, Bologna, Italy, 14.-16.5.2007, Organisation: M. Arnaud, U.G. Briel, J.-L. Counil, E. Cavazzuti, P. Ferrando, F. Fiore, P. Giommi, A. Goldwurm, P. Laurent, F. Lebrun, G. Malaguti, S. Mereghetti, G. Micela, G. Pareschi, J.-P. Roques, G. Tagliaferri.

SOFIA Vision 2020 Workshop, Caltech, Pasadena, USA, 6.-8.12.2007, Organisation: B. Gehrz, R. Genzel, A. Harris, D. Jewitt, A. Karpov, C. Lada, K. Menten, H. Moseley, D. Neufeld, A. Poglitsch, J. Stutzki, L. Tacconi, A. Tielens, E. Young, J. Zmuidzinas, E. Becklin, H. Hasan, T. Roellig.

X-rays from nearby galaxies, Madrid, Spain, 5.-7.9.2007, Organisation: M. Ehle, W. Pietsch, R. Di Stefano, M. Gilfanov, S. Immler, K. Makishima, A. Prestwich, A. Read, T. Roberts, D. Strickland, G. Trinchieri, R. Warwick, S. Carpano, B. Altieri, M. Arpizou, M. Cadolle Bel, N. Loiseau, L. Metcalfe, A. Pollock, R. Saxton, R. Willatt.

MPE Workshop on Solar System Plasmas, Ringberg Castle, Germany, 29.-31.1.2007, Organisation: G. Haerendel, G. Paschmann, M. Rieperding.

CIS/HIA Cluster and Double Star Team Meeting, Berg, Germany, 19.-21.6.2007. Organisation: B. Klecker, J. Zanker-Smith.

Publications

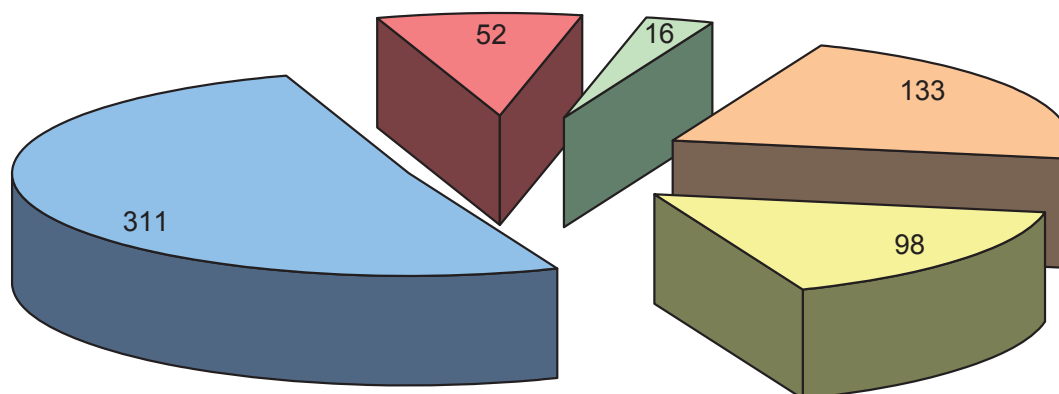
Here we present a tabular and graphical summary of our publication activities in 2007. The publications are counted by science group and publication type. The individual publications are listed consecutively.

Summary of MPE Publications in 2007

Science Group	refereed Publications	refereed Proceedings	Instrument. Publications	non-refereed Publications	Telegrams/Circulars	Talks	Poster
Space Plasma	26 (8)	0 (0)	1 (0)	2 (1)	0 (0)	47 (17)	4
IR	43 (18)	1 (1)	1 (0)	26 (14)	5 (2)	84 (59)	8
X-Ray	113 (26)	23 (9)	14 (5)	34 (19)	35 (20)	149 (65)	5
Gamma	25 (8)	20 (9)	0 (0)	31 (16)	48 (19)	40 (23)	11
Theory	70 (36)	7 (6)	0 (0)	14 (5)	1 (0)	118 (59)	12
OPINAS	34 (18)	1 (0)	0 (0)	26 (8)	9 (0)	26 (13)	8
Total	311 (114)	52 (25)	16 (5)	133 (63)	98 (41)	460 (250)	48

The red numbers in brackets give the number of publications with a first author from MPE or invited talks, respectively. Publications with contributions from more than one research group are counted for the group of the leading author. Posters are counted only if the first author is a MPE member. In total MPE Scientists gave 49 public talks and additionally published 12 popular science articles.

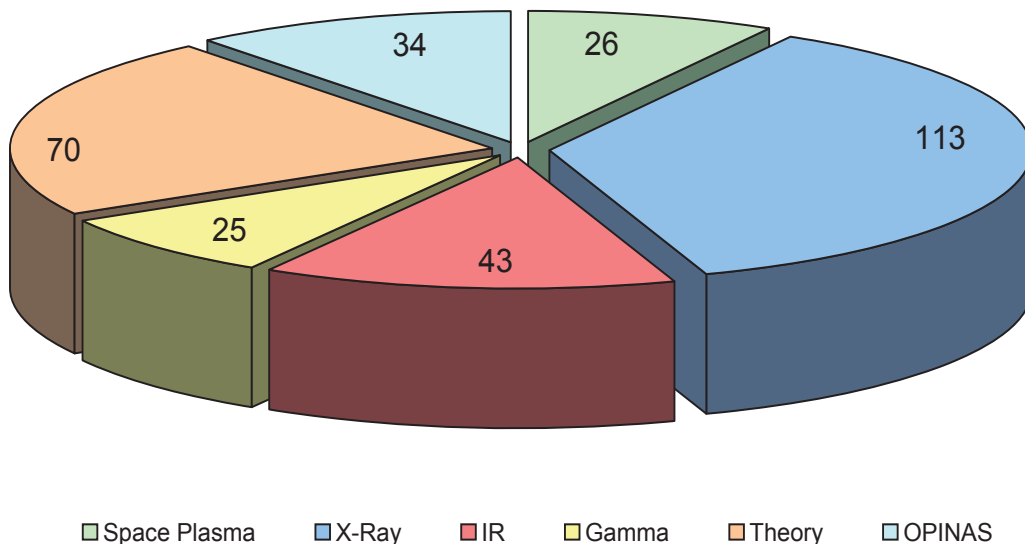
Total Publications 2007 (by Type)



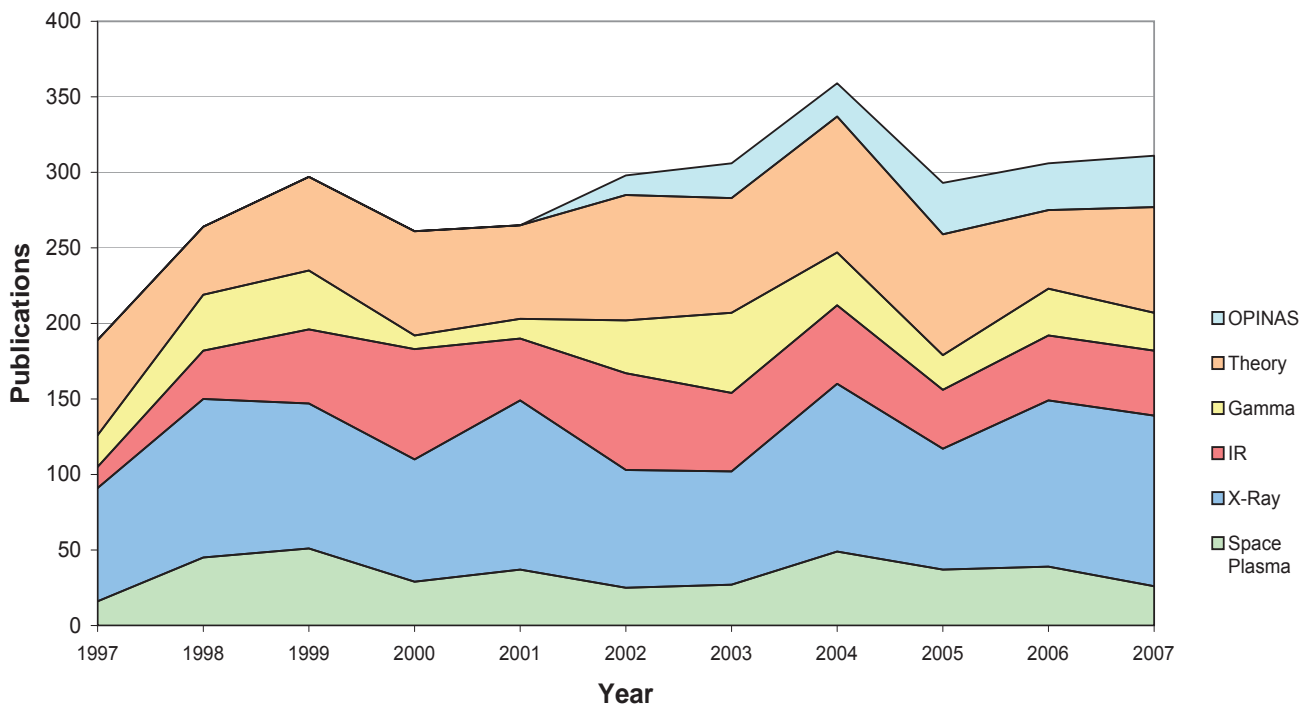
■ refereed Publications
■ instrumental Publications
■ Telegrams/Circulars

■ refereed Proceedings
■ non-refereed Publications

Refereed Publications 2007 (by Science Group)



History of MPE Refereed Publications (by Science Group)



Refereed Publications

- Abdo, A.A., B. Allen, D. Berley, E. Blaufuss, S. Casanova, C. Chen, D.G. Coyne, R.S. Delay, B.L. Dingus, R.W. Ellsworth, L. Fleysher, R. Fleysher, I. Gebauer, M.M. Gonzalez, J.A. Goodman, E. Hays, C.M. Hoffman, B.E. Kolterman, L.A. Kelley, C.P. Lansdell, J.T. Linnemann, J.E. McEnery, A.I. Mincer, I.V. Moskalenko, P. Nemethy, D. Noyes, J.M. Ryan, F.W. Samuelson, P.M. SazParkinson, M. Schneider, A. Shoup, G. Sinnis, A.J. Smith, A.W. Strong, G.W. Sullivan, V. Vasileiou, G.P. Walker, D.A. Williams, X.W. Xu and G.B. Yodh: Discovery of TeV Gamma-Ray Emission from the Cygnus Region of the Galaxy. *Ap. J. Lett.* 658, L33-L36 (2007).
- Abraham, R.G., P. Nair, P.J. McCarthy, K. Glazebrook, E. Mentuch, H. Yan, S. Savaglio, D. Crampton, R. Murowinski, S. Juneau, D. LeBorgne, R.G. Carlberg, I. Jørgensen, K. Roth, H.-W. Chen and R.O. Marzke: The Gemini Deep Deep Survey. VIII. When Did Early-Type Galaxies Form?. *Ap. J.* 669, 184-201 (2007).
- Adelman-McCarthy, J.K., M.A. Agüeros, S.S. Allam, K.S.J. Anderson, S.F. Anderson, J. Annis, N.A. Bahcall, C.A.L. Bailer-Jones, I.K. Baldry, J.C. Barentine, T.C. Beers, V. Belokurov, A. Berlind, M. Bernardi, M.R. Blanton, J.J. Bochanski, W.N. Boroski, D.M. Bramich, H.J. Brewington, J. Brinchmann, J. Brinkmann, R.J. Brunner, T. Budavári, L.N. Carey, S. Carliles, M.A. Carr, F.J. Castander, A.J. Connolly, R.J. Cool, C.E. Cunha, I. Csabai, J.J. Dalcanton, M. Doi, D.J. Eisenstein, M.L. Evans, N.W. Evans, X. Fan, D.P. Finkbeiner, S.D. Friedman, J.A. Frieman, M. Fukugita, B. Gillespie, G. Gilmore, K. Glazebrook, J. Gray, E.K. Grebel, J.E. Gunn, E. De Haas, P.B. Hall, M. Harvanek, S.L. Hawley, J. Hayes, T.M. Heckman, J.S. Hendry, G.S. Hennessy, R.B. Hindsley, C.M. Hirata, C. J. Hogan, D.W. Hogg, J.A. Holtzman, S.-I. Ichikawa, T. Ichikawa, Z. Ivezic, S. Jester, D.E. Johnston, A.M. Jorgensen, M. Juric, G. Kauffmann, S.M. Kent, S.J. Kleinman, G.R. Knapp, A. Y. Kniazev, R.G. Kron, J. Krzesinski, N. Kuropatkin, D.Q. Lamb, H. Lampeitl, B.C. Lee, R.F. Leger, M. Lima, H. Lin, D.C. Long, J. Loveday, R.H. Lupton, R. Mandelbaum, B. Margon, D. Martínez-Delgado, T. Matsubara, P.M. McGehee, T.A. McKay, A. Meiksin, J.A. Munn, R. Nakajima, T. Nash, E.H. Neilsen, H.J. Newberg, R.C. Nichol, M. Nieto-Santisteban, A. Nitta, H. Oyaizu, S. Okamura, J.P. Ostriker, N. Padmanabhan, C. Park, J. Peoples, J.R. Pier, A.C. Pope, D. Pourbaix, T.R. Quinn, M.J. Raddick, P. Re Fiorentin, G.T. Richards, M.W. Richmond, H.-W. Rix, C.M. Rockosi, D.J. Schlegel, D.P. Schneider, R. Scranton, U. Seljak, E. Sheldon, K. Shimasaku, N.M. Silvestri, J.A. Smith, V. Smolcic, S.A. Snedden, A. Stebbins, C. Stoughton, M.A. Strauss, M. SubbaRao, Y. Suto, A.S. Szalay, I. Szapudi, P. Szkody, M. Tegmark, A.R. Thakar, C.A. Tremonti, D.L. Tucker, A. Uomoto, D.E. Vanden Berk, J. Vandenberg, S. Vidrih, M.S. Vogeley, W. Voges, N.P. Vogt, D. H. Weinberg, A.A. West, S.D. M. White, B. Wilhite, B. Yanny, D.R. Yocum, D.G. York, I. Zehavi, S. Zibetti and D.B. Zucker: The fifth data release of the sloan digital sky survey. In: *Astrophysical Journal Supplement Series* 172, 2, 634-644 (2007).
- Allen, J.E. and B.M. Annaratone: Comment on "A nonlinear global model of a dual frequency capacitive discharge" [*Phys. Plasmas* 13, 083501 (2006)]. *Phys. Plasmas* 14, 1, Seq. No.: 014701 (2007).
- AMS-01 Collaboration: Aguilar, M., J. Alcaraz, ..., J. Trümper, et al.: Cosmic-ray positron fraction measurement from 1 to 30 GeV with AMS-01. *Physics Letters B* 646, 4, 145-154 (2007).
- Anderson, S.F., B. Margon, W. Voges, R.M. Plotkin, D. Syphers, D. Haggard, M.J. Collinge, J. Meyer, M.A. Strauss, M.A. Agüeros, P.B. Hall, L. Homer, Ž. Ivezić, G.T. Richards, M.W. Richmond, D.P. Schneider, G. Stinson, D.E. Vanden Berk and D.G. York: A Large, Uniform Sample of X-Ray-emitting Active Galactic Nuclei from the ROSAT All Sky and Sloan Digital Sky Surveys: The Data Release 5 Sample. *Astron. J.* 133, 313-329 (2007).
- Andriamonje, S., S. Aune, D. Autiero, K. Barth, A. Belov, B. Beltrán, H. Bräuninger, J.M. Carmona, S. Cebrián, J.I. Collar, T. Dafni, M. Davenport, L. DiLella, C. Eleftheriadis, J. Englhauser, G. Fanourakis, E. FerrerRibas, H. Fischer, J. Franz, P. Friedrich, T. Gerialis, I. Giomataris, S. Gninenko, H. Gómez, M. Hasinoff, F.H. Heinsius, D.H.H. Hoffmann, I.G. Irastorza, J. Jacoby, K. Jakovcic, D. Kang, K. Königsmann, R. Kotthaus, M. Krčmar, K. Kousouris, M. Kuster, B. Lakic, C. Lasseur, A. Liolios, A. Ljubicic, G. Lutz, G. Luzón, D. Miller, A. Morales, J. Morales, A. Ortiz, T. Papaevangelou, A. Placchi, G. Raffelt, H. Riege, A. Rodríguez, J. Ruz, I. Savvidis, Y. Semertzidis, P. Serpico, L. Stewart, J. Vieira, J. Villar, J. Vogel, L. Walckiers, K. Zioutas: An improved limit on the axion photon coupling from the CAST experiment. *J. Cosmology Astroparticle Phys.* 4, 10 (2007).
- Annibaldi, S.V., A.V. Ivlev, U. Konopka, S. Ratynskaia, H.M. Thomas, G.E. Morfill, A.M. Lipaev, V.I. Molotkov, O.F. Petrov and V.E. Fortov: Dust-acoustic dispersion relation in three-dimensional complex plasmas under microgravity. *New J. Phys.* 9, 327 (2007).
- Arnaboldi, M., O. Gerhard, S. Okamura, N. Kashikawa, N. Yasuda and K.C. Freeman: Multi-Slit Imaging Spectroscopy Technique: Catalog of Intracluster Planetary Nebulae in the Coma Cluster. *Publ. Astron. Soc. Jpn.* 59, 419-425 (2007).
- Arnaud, M., E. Pointecouteau and G.W. Pratt: Calibration of the galaxy cluster $M\{500\}$ - $Y\{X\}$ relation with XMM-Newton. *Astron. Astrophys.* 474, L37-L40 (2007).
- Aschenbach, B.: The anomalous orbital velocity effect and high frequency quasi-periodic oscillations in accreting black holes. *Journal of Physics: Conference Series* 66, Seq. No.: 012039, 1-8 (2007).
- Bai, Y., Y. Chen, X.-T. He, J.-H. Wu, Q.-K. Li, R. F. Green and W. Voges: The multi-wavelength quasar survey - III. Quasars in field 836. *Chinese Journal of Astronomy and Astrophysics* 7, 375-379 (2007).
- Balaguera-Antolínez, A. and M. Nowakowski: From global to local dynamics: effects of the expansion on astrophysical structures. *Classical and Quantum Gravity* 24, 10, 2677-2688 (2007).

- Balaguera-Antolínez, A., D.F. Mota and M. Nowakowski: Astrophysical configurations with background cosmology: probing dark energy at astrophysical scales. *Mon. Not. R. Astron. Soc.* 382, 2, 621-640 (2007).
- Balestra, I., P. Tozzi, S. Ettori, P. Rosati, S. Borgani, V. Mainieri, C. Norman and M. Viola: Tracing the evolution in the iron content of the intra-cluster medium. *Astron. Astrophys.* 462, 429-442 (2007).
- Balogh, M.L., D. Wilman, R.D.E. Henderson, R.G. Bower, D. Gilbank, R. Whitaker, S.L. Morris, G. Hau, J.S. Mulchaey, A. Oemler and R.G. Carlberg: The stellar mass content of distant galaxy groups. *Mon. Not. R. Astron. Soc.* 374, 1169-1180 (2007).
- Barcons, X., F.J. Carrera, M.T. Ceballos, M.J. Bussons-Gordo, A. Corral, J. Ebrero, S. Mateos, J.A. Tedds, M.G. Watson, D. Baskil, M. Birkinshaw, Th. Boller, N. Borisov, M. Bremer, G.E. Bromage, H. Brunner, A. Caccianiga, C.S. Crawford, M.S. Cropper, R. Della R. Ceca, P. Derry, A.C. Fabian, P. Guillout, Y. Hashimoto, G. Hasinger, B.J.M. Hassall, G. Lamer, N.S. Loaring, T. Maccacaro, K.O. Mason, R.G. McMahon, L. Mirioni, P.D. Mittaz, C. Motch, I. Negueruela, J.P. Osborne, F. Panessa, I. Pérez-Fournon, J.P. Pye, T.P. Roberts, S. Rosen, N. Schartel, N. Schurch, A. Schwobe, P. Severgnini, R. Sharp, C.G. Stewart, G. Szokoly, A. Ullán, M.J. Ward, R.S. Warwick, P. Wheatley, N.A. Webb D. Worrall, W. Yuan and H. Ziaepour: The XMM-Newton serendipitous survey. IV. Optical identification of the XMM-Newton medium sensitivity survey (XMS). *Astron. Astrophys.* 476, 1191-1203 (2007).
- Bauer, M., W. Pietsch, G. Trinchieri, D. Breitschwerdt, M. Ehle and A. Read: High-resolution X-ray spectroscopy and imaging of the nuclear outflow of the starburst galaxy NGC 253. *Astron. Astrophys.* 467, doi:10.1051/0004-6361:20066340, 979-989 (2007).
- Beckmann, V., S. Soldi, G. Bélanger, S. Brandt, M.D. Caballero-García, G. deCesare, N. Gehrels, S. Grebenev, O. Vilhu, A. von Kienlin and T.J.-L. Courvoisier: Cygnus X-3 transition from the ultrasoft to the hard state. *Astron. Astrophys.* 473, 903-905 (2007).
- Bender, R. and R. Sagila: Surveying the High Redshift Universe with KMOS. *Astron. Nachr.* 328, 707 (2007).
- Bender, R. and R.P. Saglia: Supermassive black holes in local galaxies. *Comptes Rendus Phys.* 8, 16-25 (2007).
- Bender, R. and U. Hopp: Imaging the Southern Skys with OmegaCAM. *Astron. Nachr.* 328, 708 (2007).
- Berta, S., C.J. Lonsdale, M. Polletta, R.S. Savage, A. Franceschini, H. Buttery, A. Cimatti, J. Dias, C. Feruglio, F. Fiore, E.V. Held, F. La Franca, R. Maiolino, A. Marconi, I. Matute, S.J. Oliver, E. Ricciardelli, S. Rubele, N. Sacchi, D. Shupe and J. Surace: The contribution of very massive high-redshift SWIRE galaxies to the stellar mass function. *Astron. Astrophys.* 476, doi:10.1051/0004-6361:20077491, 151-175 (2007).
- Bertoldi, F., C. Carilli, M. Aravena, E. Schinnerer, H. Voss, V. Smolcic, K. Jahnke, N. Scoville, A. Blain, K.M. Menten, D. Lutz, M. Brusa, Y. Taniguchi, P. Capak, B. Mobasher, S. Lilly, D. Thompson, H. Aussel, E. Kreysa, G. Hasinger, J. Aguirre, J. Schlaerth and A. Koekemoer: COSBO: The MAMBO 1.2 Millimeter Imaging Survey of the COSMOS Field. *Ap. J. Supp. Ser.* 172, 132-149 (2007).
- Bhardwaj, A., R.F. Elsner, G. Randall Gladstone, T.E. Cravens, C.M. Lisse, K. Dennerl, G. Branduardi-Raymont, B.J. Wargelin, J. HunterWaite, I. Robertson, N. Østgaard, P. Beiersdorfer, S.L. Snowden and V. Kharchenko: X-rays from solar system objects. *Planet. Space Sci.* 55, 1135-1189 (2007).
- Bodewits, D., D.J. Christian, M. Torney, M. Dryer, C.M. Lisse, K. Dennerl, T.H. Zurbuchen, S.J. Wolk, A.G.G.M. Tielens and R. Hoekstra: Spectral analysis of the Chandra comet survey. *Astron. Astrophys.* 469, 1183-1195 (2007).
- Bogdanova, Y.V., C.J. Owen, G. Siscoe, A.N. Fazakerley, I. Dandouras, O. Marghitu, Z. Kaymaz, H. Rème and E.A. Lucek: Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: I. 10 November 2004 ICME. *Sol. Phys.* 244, 201-232 (2007).
- Bogdanova, Y.V., C.J. Owen, G. Siscoe, A.N. Fazakerley, I. Dandouras, O. Marghitu, Z. Kaymaz, H. Rème and E.A. Lucek: Cluster Observations of the Magnetospheric Low-Latitude Boundary Layer and Cusp during Extreme Solar Wind and Interplanetary Magnetic Field Conditions: II. 7 November 2004 ICME and Statistical Survey. *Sol. Phys.* 244, 233-261 (2007).
- Böhringer, H., P. Schuecker, G.W. Pratt, M. Arnaud, T.J. Ponman, J.H. Croston, S. Borgani, R.G. Bower, U.G. Briel, C.A. Collins, M. Donahue, W.R. Forman, A. Finoguenov, M.J. Geller, L. Guzzo, J.P. Henry, R. Kneissl, J.J. Mohr, K. Matsushita, C.R. Mullis, T. Ohashi, K. Pedersen, D. Pierini, H. Quintana, S. Raychaudhury, T.H. Reiprich, A.K. Romer, P. Rosati, K. Sabirli, R.F. Temple, P.T.P. Viana, A. Vikhlinin, G.M. Voit and Y.-Y. Zhang: The representative XMM-Newton cluster structure survey (REXCESS) of an X-ray luminosity selected galaxy cluster sample. *Astron. Astrophys.* 469, 363-377 (2007).
- Boller, T.: Matter under strong gravity. *International Journal of Modern Physics E-Nuclear Physics* 16, 4, 1083-1091 (2007).
- Boller, T., I. Balestra and W. Kollatschny: XMM-Newton observation of Mrk 110. *Astron. Astrophys.* 465, 1, 87-93 (2007).
- Bombelli, L., C. Fiorini, M. Porto, S. Herrmann and S. Woelfel: VELA: the CMOS circuit based on fast current read-out for X-ray spectroscopy with DePMOS. *IEEE Transactions on Nuclear Science* 54, 4 Part 3, 1359-1366 (2007).
- Boone, F., A.J. Baker, E. Schinnerer, F. Combes, S. García-Burillo, R. Neri, L.K. Hunt, S. Léon, M. Krips, L.J. Tacconi and A. Eckart: Molecular gas in NUClei of GALaxies (NUGA). VII. NGC 4569, a large scale bar funnelling gas into the nuclear region. *Astron. Astrophys.* 471, 113-125 (2007).
- Bouché, N., G. Cresci, R. Davies, F. Eisenhauer, N.M. Förster Schreiber, R. Genzel, S. Gillessen, M. Lehnert, D. Lutz, N. Nesvadba, K.L. Shapiro, A. Sternberg, L.J. Tacconi, A. Verma, A. Cimatti, E. Daddi, A. Renzini, D.K. Erb, A. Shapley and C.C. Steidel: Dynamical Properties of $z \sim 2$ Star-forming Galaxies and a Universal Star

- Formation Relation. *Ap. J.* 671, doi:10.1086/522221, 303-309 (2007).
- Bouché, N., M.D. Lehnert, A. Aguirre, C. Péroux and J. Bergeron: The missing metals problem - III. How many metals are expelled from galaxies?. *Mon. Not. R. Astron. Soc.* 378, 525-540 (2007).
- Bouché, N., M.T. Murphy, C. Péroux, R. Davies, F. Eisenhauer, N.M. Förster-Schreiber and L. Tacconi: The SINFONI Mg II Program for Line Emitters (SIMPLE): Discovering Starbursts near QSO Sight Lines. *Ap. J. Lett.* 669, L5-L8 (2007).
- Braglia, F., D. Pierini and H. Böhringer: Flaming, bright galaxies along the filaments of A 2744. *Astron. Astrophys.* 470, 425-429 (2007).
- Branchesi, M., I.M. Gioia, C. Fanti, R. Fanti and N. Cappelluti: Chandra point-source counts in distant galaxy clusters. *Astron. Astrophys.* 462, 2, 449-458 (2007).
- Brinkmann, W., G.W. Pratt, S. Rohr, N. Kawai and V. Burwitz: XMM-Newton observations of the eastern jet of SS 433. *Astron. Astrophys.* 463, 611-619 (2007).
- Brinkmann, W., I.E. Papadakis and C. Raeth: Spectral variability analysis of an XMM-Newton observation of Ark 564. *Astron. Astrophys.* 465, 107-118 (2007).
- Britzen, S., W. Brinkmann, R.M. Campbell, M. Gliozzi, A.C.S. Readhead, I.W.A. Browne and P. Wilkinson: The soft X-ray properties of AGN from the CJF sample. A correlation analysis between soft X-ray and VLBI properties. *Astron. Astrophys.* 476, 759-777 (2007).
- Broeg, C. and G. Wuchterl: The formation of HD 149026 b. *Mon. Not. R. Astron. Soc. Lett.* 376, 1, L62-L66 (2007).
- Broeg, C., T.O.B. Schmidt, E. Guenther, A. Gaedke, A. Bedalov, R. Neuhäuser and F.M. Walter: Rotational period of GQ Lupi. *Astron. Astrophys.* 468, 3, 1039-1044 (2007).
- Broeg, C.: Theoretical planetary mass spectra - a prediction for COROT. *Mon. Not. R. Astron. Soc. Lett.* 377, 1, L44-L48 (2007).
- Brueggen, M., S. Heinz, E. Roediger, M. Ruszkowski and A. Simionescu: Shock heating by Fanaroff-Riley type I radio sources in galaxy clusters. *Mon. Not. R. Astron. Soc. Lett.* 380, 1, L67-L70 (2007).
- Brusa, M., G. Zamorani, A. Comastri, G. Hasinger, N. Cappelluti, F. Civano, A. Finoguenov, V. Mainieri, M. Salvato, C. Vignali, M. Elvis, F. Fiore, R. Gilli, C.D. Impey, S.J. Lilly, M. Mignoli, J. Silverman, J. Trump, C.M. Urry, R. Bender, P. Capak, J.P. Huchra, J.P. Kneib, A. Koekemoer, A. Leauthaud, I. Lehmann, R. Massey, I. Matute, P.J. McCarthy, H.J. McCracken, J. Rhodes, N.Z. Scoville, Y. Taniguchi and D. Thompson: The XMM-Newton Wide-Field Survey in the COSMOS Field. III. Optical Identification and Multiwavelength Properties of a Large Sample of X-Ray-Selected Sources. *Ap. J. Supp. Ser.* 172, 353-367 (2007).
- Burgess, D. and M. Scholer: Shock front instability associated with reflected ions at the perpendicular shock. *Phys. Plasmas* 14, 1, Seq. No.: 012108 (2007).
- Capak, P., H. Aussel, M. Ajiki, H.J. McCracken, B. Mobasher, N. Scoville, P. Shopbell, Y. Taniguchi, D. Thompson, S. Tribiano, S. Sasaki, A.W. Blain, M. Brusa, C. Carilli, A. Comastri, C.M. Carollo, P. Cassata, J. Colbert, R.S. Ellis, M. Elvis, M. Giavalisco, W. Green, L. Guzzo, G. Hasinger, O. Ilbert, C. Impey, K. Jahnke, J. Kartaltepe, J.-P. Kneib, J. Koda, A. Koekemoer, Y. Komiyama, A. Leauthaud, O. Lefevre, S. Lilly, C. Liu, R. Massey, S. Miyazaki, T. Murayama, T. Nagao, J.A. Peacock, A. Pickles, C. Porciani, A. Renzini, J. Rhodes, M. Rich, M. Salvato, D.B. Sanders, C. Scarlata, D. Schiminovich, E. Schinnerer, M. Scodeggio, K. Sheth, Y. Shioya, L.A.M. Tasca, J.E. Taylor, L. Yan and G. Zamorani: The First Release COSMOS Optical and Near-IR Data and Catalog. *Ap. J. Supp. Ser.* 172, 99-116 (2007).
- Cappelluti, N., G. Hasinger, M. Brusa, A. Comastri, G. Zamorani, H. Böhringer, H. Brunner, F. Civano, A. Finoguenov, F. Fiore, R. Gilli, R.E. Griffiths, V. Mainieri, I. Matute, T. Miyaji and J. Silverman: The XMM-Newton Wide-Field Survey in the COSMOS Field. II. X-Ray Data and the logN-logS Relations. *Ap. J. Supp. Ser.* 172, 341-352 (2007).
- Cappelluti, N., H. Böhringer, P. Schuecker, E. Pierpaoli, C.R. Mullis, I.M. Gioia and J.P. Henry: The soft X-ray cluster-AGN spatial cross-correlation function in the ROSAT-NEP survey. *Astron. Astrophys.* 465, 35-40 (2007).
- Cargnelli, M., T. Ishiwatari, P. Kienle, J. Marton, E. Widmann, J. Zmeskal, G. Beer, A.M. Bragadireanu, T. Ponta, M. Bazzi, M. Catitti, C. Curceanu (Petrascu), C. Guaraido, M. Iliescu, P. Levi Sandri, V. Lucherini, D. Pietreanu, D.L. Sirghi, F. Sirghi, P. Lechner, H. Soltan, L. Bombelli, C. Fiorini, T. Frizz, A. Longoni, F. Ghio, B. Girolami and L. Strüder: Kaonic hydrogen X-rays experiments at DAFNE. *Canadian Journal of Physics* 85, 5, 479-485 (2007).
- Carrera, F.J., J. Ebrero, S. Mateos, M.T. Ceballos, A. Corral, X. Barcons, M.J. Page, S.R. Rosen, M.G. Watson, J.A. Tedds, R. DellaCeca, T. Maccacaro, H. Brunner, M. Freyberg, G. Lamer, F.E. Bauer and Y. Ueda: The XMM-Newton serendipitous survey. III. The AXIS X-ray source counts and angular clustering. *Astron. Astrophys.* 469, 27-46 (2007).
- Castaldo, C., S. Ratynskaia, V. Pericoli, U. de Angelis, K. Rypdal, L. Pieroni, E. Giovannozzi, G. Maddaluno, C. Marmolino, A. Rufoloni, A. Tuccillo, M. Kretschmer and G.E. Morfill: LETTER: Diagnostics of fast dust particles in tokamak edge plasmas. *Nucl. Fusion* 47, 5 (2007).
- Castoldi, A., C. Guazzoni, A. Galimberti, R. Hartmann, S. Pani, G. Royle and L. Strüder: Application of controlled-drift detectors in diffraction enhanced imaging of tissues. In: *IEEE Transactions on Nuclear Science* 54, 5 Part 1, 1474-1480 (2007).
- Castoldi, A., C. Guazzoni, R. Hartmann and L. Strüder: Principle and applications of Controlled-Drift Detectors. *Nucl. Instrum. Methods Phys. Res. (A)* 579, 79-82 (2007).
- Castro-Tirado, A.J., M. Bremer, S. McBreen, J. Gorosabel, S. Guziy, T.A. Fakhullin, V.V. Sokolov, R.M. González Delgado, G. Bihain, S.B. Pandey, M. Jelínek, A. de Ugarte Postigo, K. Misra, R. Sagar, P. Bama, A.P. Kamble, G.C. Anupama, J. Licandro, D. Pérez-Ramírez, D.

- Bhattacharya, F.J. Aceituno and R. Neri: The dark nature of GRB 051022 and its host galaxy. *Astron. Astrophys.* 475, 101-107 (2007).
- Cebrián, S., A. Rodríguez, M. Kuster, B. Beltrán, H. Gómez, R. Hartmann, I.G. Irastorza, R. Kotthaus, G. Luzón, J. Morales, J. Ruz, L. Strüder and J.A. Villar: Background study for the pn-CCD detector of CERN Axion Solar Telescope. *Astroparticle Phys.* 28, 205-215 (2007).
- Chakraborty, P., M.G. Mustafa and M.H. Thoma: Energy gain of heavy quarks by fluctuations in a quark-gluon plasma. *Phys. Rev. (C)* 75, 064908 (2007).
- Chakraborty, P., M.G. Mustafa, R. Ray and M.H. Thoma: Wakes in a collisional quark gluon plasma. *J. Phys. G. Nucl. Phys.* 34, 2141-2152 (2007).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Effective charge of a small absorbing body in highly collisional plasma subject to an external electric field. *Phys. Plasmas* 14, 054503, doi:10.1063/1.2724806, 1-3 (2007).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Electrostatic potential behind a macroparticle in a drifting collisional plasma: Effect of plasma absorption. *Phys. Plasmas* 14, 022102, doi:10.1063/1.2435707, 1-5 (2007).
- Chen, Y., T.H. Reiprich, H. Böhringer, Y. Ikebe and Y.-Y. Zhang: Statistics of X-ray observables for the cooling-core and non-cooling core galaxy clusters. *Astron. Astrophys.* 466, 805-812 (2007).
- Chen, Y.Y., X.-T. He, J.-H. Wu, Q.-K. Li, R.F. Green and W. Voges: The Multi-Wavelength Quasar Survey III. Quasars in Field 836. *Chinese J. of Astron. Astrophys.* 7, 375-379 (2007).
- Chen, Y., Y. Bai, X.-T. He, J.-H. Wu, J. Wang, Q.-K. Li, Y.-C. Sun, R.F. Green and W. Voges: The Multi-Wavelength Quasar Survey IV. Quasars in the Leo Cluster. *Chinese J. of Astron. Astrophys.* 7, 595-600 (2007).
- Churazov, E., R. Sunyaev, M. Revnivtsev, S. Sazonov, S. Molkov, S. Grebenev, C. Winkler, A. Parmar, A. Bazzano, M. Falanga, A. Gros, F. Lebrun, L. Natalucci, P. Ubertini, J.-P. Roques, L. Bouchét, E. Jourdain, J. Knödseder, R. Diehl, C. Budtz-Jørgensen, S. Brandt, N. Lund, N.J. Westergaard, A. Neronov, M. Türler, M. Chernyakova, R. Walter, N. Produit, N. Mowlavi, J.M. Mas-Hesse, A. Domingo, N. Gehrels, E. Kuulkers, P. Kretschmar and M. Schmidt: INTEGRAL observations of the cosmic X-ray background in the 5-100 keV range via occultation by the Earth. *Astron. Astrophys.* 467, 529-540 (2007).
- Cignoni, M., V. Ripepi, M. Marconi, J.M. Alcalá, M. Capaccioli, M. Pannella and R. Silvotti: The galactic halo stellar density distribution from photometric survey data: results of a pilot study. *Astron. Astrophys.* 463, 3, 975-979 (2007).
- Civano, F., M. Mignoli, A. Comastri, C. Vignali, F. Fiore, L. Pozzetti, M. Brusa, F. La Franca, G. Matt, S. Puccetti and F. Cocchia: The HELLAS2 XMM survey - XI. Unveiling the nature of X-ray bright optically normal galaxies. *Astron. Astrophys.* 476, 3, 1223-1233 (2007).
- Cocchia, L., E.M. Corsini, A. Pizzella and F. Bertola: The search for inner polar disks with integral field spectroscopy: the case of NGC 2855 and NGC 7049. *Astron. Astrophys.* 465, 777-786 (2007).
- Cocchia, F., F. Fiore, C. Vignali, M. Mignoli, M. Brusa, A. Comastri, C. Feruglio, A. Baldi, N. Carangelo, P. Ciliegi, V. D'Elia, F. La Franca, R. Maiolino, G. Matt, S. Molendi, G.C. Perola and S. Puccetti: The HELLAS2XMM survey. VIII. Optical identifications of the extended sample. *Astron. Astrophys.* 466, 31-40 (2007).
- Contursi, A., M. Rubio, M. Sauvage, D.C.R. Barba and F. Boulanger: ISOCAM mid-infrared spectroscopy and NIR photometry of the HII complex N4 in the Large Magellanic Cloud. *Astron. Astrophys.* 469, 539-551 (2007).
- Costantini, E., L.C. Gallo, W.N. Brandt, A.C. Fabian and T. Boller: A longer XMM-Newton look at IZwicky1: physical conditions and variability of the ionized absorbers. *Mon. Not. R. Astron. Soc.* 378, 873-880 (2007).
- Cresci, G., F. Mannucci, M. Della Valle and R. Maiolino: A NICMOS search for obscured supernovae in starburst galaxies. *Astron. Astrophys.* 462, 3, 927-931 (2007).
- Curceanu(Petrascu), C., M. Bazzi, G. Beer, L. Bombelli, A.M. Bragadireanu, M. Cargnelli, M. Catitti, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, M. Iliescu, T. Ishiwatari, P. Kienle, P. Lechner, P. Levi Sandri, A. Longoni, V. Lucherini, J. Marton, D. Pietreanu, T. Ponta, D.L. Sirghi, F. Sirghi, H. Soltau, L. Strüder, E. Widmann and J. Zmeskal: Precision measurements of kaonic atoms at DA ΦNE and future perspectives. *Europ. Phys. J. A* 31, 537-539 (2007).
- Dasyra, K.M., L.J. Tacconi, R.I. Davies, R. Genzel, D. Lutz, B.M. Peterson, S. Veilleux, A.J. Baker, M. Schweitzer and E. Sturm: Host Dynamics and Origin of Palomar-Green QSOs. *Ap. J.* 657, 102-115 (2007).
- Davies, R., F. Mueller Sanchez, R. Genzel, L. Tacconi, E. Hicks, S. Friedrich and S. Sternberg: A Close Look at Star Formation around Active Galactic Nuclei. *Ap. J.* 671, doi:10.1086/523032, 1388-1412 (2007).
- Davies, R.I.: A method to remove residual OH emission from near-infrared spectra. *Mon. Not. R. Astron. Soc.* 375, 3, 1099-1105 (2007).
- De Lorenzi, F., V.P. Debattista, O. Gerhard and N. Sambhus: NMAGIC: a fast parallel implementation of a χ^2 -made-to-measure algorithm for modelling observational data. *Mon. Not. R. Astron. Soc.* 376, 71-88 (2007).
- De Lucia, G., B.M. Poggianti, A. Aragón-Salamanca, S.D.M. White, D. Zaritsky, D. Clowe, C. Halliday, P. Jablonka, A. von der Linden, B. Milvang-Jensen, R. Pelló, G. Rudnick, R.P. Saglia and L. Simard: The build-up of the colour-magnitude relation in galaxy clusters since $z \sim 0.8$. *Mon. Not. R. Astron. Soc.* 374, 809-822 (2007).
- Dennerl, K.: X-rays from Mars. *Space Sci. Rev.* 126, doi:10.1007/s11214-006-9028-7, 403-433 (2007).
- Desai, V., J.J. Dalcanton, A. Aragón-Salamanca, P. Jablonka, B. Poggianti, S.M. Gogarten, L. Simard, B. Milvang-Jensen, G. Rudnick, D. Zaritsky, D. Clowe, C. Halliday, R. Pelló, R. Saglia and S. White: The Morphological Content of 10 EDisCS Clusters at $0.5 < z < 0.8$. *Ap. J.* 660, 1151-1164 (2007).
- Diehl, R., D.H. Hartmann and N. Prantzos: Gamma rays from cosmic radioactivities. In: *Meteoritics & Planetary*

- Science 42, 7-8, 1145-1157 (2007).
- Diehl, R.: Astrophysics at MeV energies. *Astron. Nachr.* 327, 7, 614 (2007).
- Douglas, N.G., N.R. Napolitano, A.J. Romanowsky, L. Coccato, K. Kuijken, M.R. Merrifield, M. Arnaboldi, O. Gerhard, K.C. Freeman, H.R. Merrett, E. Noordermeer and M. Capaccioli: The PN.S Elliptical Galaxy Survey: Data Reduction, Planetary Nebula Catalog, and Basic Dynamics for NGC 3379. *Ap. J.* 664, 257-276 (2007).
- Drory, N. and D.B. Fisher: A connection between bulge properties and the bimodality of galaxies. *Ap. J.* 664, 2 Part 1, 640-649 (2007).
- Durrell, P.R., B.F. Williams, R. Ciardullo, J.J. Feldmeier, T. vonHippel, S. Sigurdsson, G.H. Jacoby, H.C. Ferguson, N.R. Tanvir, M. Arnaboldi, O. Gerhard, J.A.L. Aguerri, K. Freeman and M. Vinciguerra: The Resolved Stellar Populations of a Dwarf Spheroidal Galaxy in the Virgo Cluster. *Ap. J.* 656, 746-755 (2007).
- D'Yachkov, L.G., A.G. Khrapak, S.A. Khrapak and G.E. Morfill: Model of grain charging in collisional plasmas accounting for collisionless layer. *Phys. Plasmas* 14, 042102 (2007).
- Esquej, P., R.D. Saxton, M.J. Freyberg, A.M. Read, B. Altieri, M. Sanchez-Portal and G. Hasinger: Candidate tidal disruption events from the XMM-Newton slew survey. *Astron. Astrophys.* 462, L49-L52 (2007).
- Ferrero, P., S.F. Sanchez, D.A. Kann, S. Klose, J. Greiner, J. Gorosabel, D.H. Hartmann, A.A. Henden, P. Møller, E. Palazzi, A. Rau, B. Stecklum, A.J. Castro-Tirado, J.P.U. Fynbo, J. Hjorth, P. Jakobsson, C. Kouveliotou, N. Masetti, E. Pian, N.R. Tanvir and R.A.M.J. Wijers: Constraints on an Optical Afterglow and on Supernova Light Following the Short Burst GRB 050813. *Astron. J.* 134, 2118-2123 (2007).
- Feulner, G., Y. Goranova, U. Hopp, A. Gabasch, R. Bender, C.S. Botzler and N. Drory: The Munich Near-Infrared Cluster Survey - IX. Galaxy evolution to $z \sim 2$ from optically selected catalogues. *Mon. Not. R. Astron. Soc.* 378, 429-448 (2007).
- Finoguenov, A., L. Guzzo, G. Hasinger, N.Z. Scoville, H. Aussel, H. Böhringer, M. Brusa, P. Capak, N. Cappelluti, A. Comastri, S. Giodini, R.E. Griffiths, C. Impey, A.M. Koekemoer, J.-P. Kneib, A. Leauthaud, O. Le Fèvre, S. Lilly, V. Mainieri, R. Massey, H.J. McCracken, B. Mobasher, T. Murayama, J.A. Peacock, I. Sakelliou, E. Schinnerer, J.D. Silverman, V. Smolčić, Y. Taniguchi, L. Tasca, J.E. Taylor, J.R. Trump and G. Zamorani: The XMM-Newton Wide-Field Survey in the COSMOS Field: Statistical Properties of Clusters of Galaxies. *Ap. J. Supp. Ser.* 172, 182-195 (2007).
- Finoguenov, A., T.J. Ponman, J.P.F. Osmond and M. Zimer: XMM-Newton study of $0.012 < z < 0.024$ groups - I. Overview of the IGM thermodynamics. *Mon. Not. R. Astron. Soc.* 374, 737-760 (2007).
- Fiorini, C., A. Gola, M. Zanchi, A. Longoni, H. Soltau and L. Strüder: Silicon drift photodetectors for scintillation readout in medical imaging. *Nucl. Instrum. Methods Phys. Res. (A)* 571, 126-129 (2007).
- Fischer, P., L. Andricek, S. Herrmann, M. Karagounis, R. Kohrs, C. Kreidl, H. Krüger, G. Lutz, H.G. Moser, I. Peric, M. Porro, L. Reuen, R. H. Richter, S. Rummel, C. Sandow, L. Strüder, E.v. Törne, J. Treis, M. Trimpl, J.J. Velthuis, N. Wermes: Progress towards a large area, thin DePFET detector module. *NIM A* 582, 843-848 (2007).
- Forbrich, J., T. Preibisch, K.M. Menten, R. Neuhäuser, F.M. Walter, M. Tamura, N. Matsunaga, N. Kusakabe, Y. Nakajima, A. Brandeker, S. Fornasier, B. Posselt, K. Tachihara and C. Broeg: Simultaneous X-ray, radio, near-infrared, and optical monitoring of young stellar objects in the Coronet cluster. *Astron. Astrophys.* 464, 3, 1003-1013 (2007).
- Forman, W., C. Jones, E. Churazov, M. Markevitch, P. Nulsen, A. Vikhlinin, M. Begelman, H. Böhringer, J. Eilek, S. Heinz, R. Kraft, F. Owen and M. Pahre: Filaments, Bubbles, and Weak Shocks in the Gaseous Atmosphere of M87. *Ap. J.* 665, 1057-1066 (2007).
- Förster, M., G. Paschmann, S.E. Haaland, J.M. Quinn, R.B. Torbert, H. Vaith and C.A. Kletzing: High-latitude plasma convection from Cluster EDI: variances and solar wind correlations. *Ann. Geophysicae* 25, 1691-1707 (2007).
- Fujimoto, R., K. Mitsuda, D. McCammon, Y. Takei, M. Bauer, Y. Ishisaki, S.F. Porter, H. Yamaguchi, K. Hayashida and N.Y. Yamasaki: Evidence for Solar-Wind Charge-Exchange X-Ray Emission from the Earth's Magnetosheath. *Publ. Astron. Soc. Jpn.* 59, 133-140 (2007).
- Gallo, L., W.N. Brandt, E. Costantini, A.C. Fabian, K. Iwasawa and I.E. Papadakis: A longer XMM-Newton look at I Zwicky 1: variability of the X-ray continuum, absorption and iron K α line. *Mon. Not. R. Astron. Soc.* 377, 1, 391-401 (2007).
- Gallo, L.C., W.N. Brandt, E. Costantini and A.C. Fabian: A longer XMM-Newton look at I Zwicky 1 - distinct modes of X-ray spectral variability. *Mon. Not. R. Astron. Soc.* 377, 3, 1375-1382 (2007).
- Gerhard, O., M. Arnaboldi, K.C. Freeman, S. Okamura, N. Kashikawa and N. Yasuda: The kinematics of intracluster planetary nebulae and the on-going subcluster merger in the Coma cluster core. *Astron. Astrophys.* 468, 815-822 (2007).
- Gilli, R., A. Comastri and G. Hasinger: The synthesis of the cosmic X-ray background in the Chandra and XMM-Newton era. *Astron. Astrophys.* 463, 79-96 (2007).
- Giozzi, M., I.E. Papadakis and W.P. Brinkmann: Long-Term X-Ray Spectral Variability of the Radio-Loud Narrow-Line Seyfert 1 Galaxy PKS 0558-504. *Ap. J.* 656, 691-698 (2007).
- Götz, D., M. Falanga, F. Senziani, A. De Luca, S. Schanne and A. von Kienlin: IGR J08408-4503: A new recurrent supergiant Fast X-ray transient. *Ap. J. Lett.* 655, L101-L104 (2007).
- Grupe, D., P. Schady, K.M. Leighly, S. Komossa, P.T. O'Brien and J.A. Nousek: An Update on the X-Ray Transient Narrow-Line Seyfert 1 Galaxy WPVS 007: Swift Observations of UV Variability and Persistence of X-Ray Faintness. *Astron. J.* 133, 1988-1994 (2007).
- Grupe, D., S. Komossa and L.C. Gallo: Discovery

- of the Narrow-Line Seyfert 1 Galaxy Markarian 335 in a Historical Low X-Ray Flux State. *Ap. J. Lett.* 668, L111-L114 (2007).
- Guélin, M., P. Salomé, R. Neri, S. García-Burillo, J. Graciá-Carpio, J. Cernicharo, P. Cox, P. Planesas, P.M. Solomon, L.J. Tacconi and P. van den Bout: Detection of HNC and tentative detection of CN at $z = 3.9$. *Astron. Astrophys.* 462, L45-L48 (2007).
- Gunell, H., E. Kallio, R. Jarvinen, P. Janhunen, M. Holmström and K. Dennerl: Simulations of solar wind charge exchange X-ray emissions at Venus. *Geophys. Res. Lett.* 34, 3107 (2007).
- Guzzo, L., P. Cassata, A. Finoguenov, R. Massey, N.Z. Scoville, P. Capak, R.S. Ellis, B. Mobasher, Y. Taniguchi, D. Thompson, M. Ajiki, H. Aussel, H. Böhringer, M. Brusa, D. Calzetti, A. Comastri, A. Franceschini, G. Hasinger, M.M. Kasliwal, M.G. Kitzbichler, J.-P. Kneib, A. Koekemoer, A. Leauthaud, H.J. McCracken, T. Murayama, T. Nagao, J. Rhodes, D.B. Sanders, S. Sasaki, Y. Shioya, L. Tasca and J.E. Taylor: The Cosmic Evolution Survey (COSMOS): A Large-Scale Structure at $z=0.73$ and the Relation of Galaxy Morphologies to Local Environment. *Ap. J. Supp. Ser.* 172, 254-269 (2007).
- Haaland, S.E., G. Paschmann, M. Förster, J.M. Quinn, R.B. Torbert, C.E. McIlwain, H. Vaith, P.A. Puhl-Quinn and C.A. Kletzing: High-latitude plasma convection from Cluster EDI measurements: method and IMF-dependence. *Ann. Geophysicae* 25, 239-253 (2007).
- Haberl, F. and W. Pietsch: XMM-Newton observations of the Small Magellanic Cloud: the 280 s Be/X-ray binary pulsar AX J0058-7203 in outburst. *Astron. Astrophys.* 476, 317-320 (2007).
- Haerendel, G.: Auroral arcs as sites of magnetic stress release. *J. Geophys. Res.* 112, A9, Seq. No.: A09214 (2007).
- Haerendel, G.: Comment: an apparent controversy in auroral physics, *Eos Trans. AGU*, 88(11), 134 (2007).
- Halkola, A., S. Seitz and M. Pannella: The sizes of galaxy halos in galaxy cluster Abell 1689. *Ap. J.* 656, 2 Part 1, 739-745 (2007).
- Hashimoto, Y., H. Böhringer, J.P. Henry, G. Hasinger and G. Szokoly: Robust quantitative measures of cluster X-ray morphology, and comparisons between cluster characteristics. *Astron. Astrophys.* 467, 485-499 (2007).
- Hashimoto, Y., J.P. Henry and H. Böhringer: Influence of cluster environments on X-ray cluster morphology. *Mon. Not. R. Astron. Soc.* 380, 835-838 (2007).
- Hashimoto, Y., J.P. Henry, H. Böhringer and G. Hasinger: Comparison between X-ray morphology and optical characteristics of clusters of galaxies. *Astron. Astrophys.* 468, 25-31 (2007).
- Hasinger, G., N. Cappelluti, H. Brunner, M. Brusa, A. Comastri, M. Elvis, A. Finoguenov, F. Fiore, A. Franceschini, R. Gilli, R.E. Griffiths, I. Lehmann, V. Mainieri, G. Matt, I. Matute, T. Miyaji, S. Molendi, S. Paltani, D.B. Sanders, N. Scoville, L. Tresse, C.M. Urry, P. Vettolani and G. Zamorani: The XMM-Newton Wide-Field Survey in the COSMOS Field. I. Survey Description. *Ap. J. Supp. Ser.* 172, 29-37 (2007).
- Hatzidimitriou, D., P. Reig, A. Manousakis, W. Pietsch, V. Burwitz and I. Papamastorakis: M31N 2005-09c: a fast Fe II nova in the disk of M 31. *Astron. Astrophys.* 464, 1075-1079 (2007).
- Heber, B., W. Dröge, B. Klecker und G. Mann: Die Sonne als Teilchenbeschleuniger, *Physik Journal*, 6 (3), 43-49 (2007).
- Heng, K., M. vanAdelsberg, R. McCray and J.C. Raymond: The transition zone in Balmer-dominated shocks. *Ap. J.* 668, 1 Part 1, 275-284 (2007).
- Hernanz, M. and G. Sala: XMM-Newton Observations of Nova Sagittarii 1998. *Ap. J.* 664, doi: 10.1086/518780, 467-473 (2007).
- Hopp, U., R.E. Schulte-Ladbeck and J. Kerp: Searching for stars in compact high-velocity clouds - II. *Mon. Not. R. Astron. Soc.* 374, 1164-1168 (2007).
- Huang, H.H. and W. Becker: XMM-Newton observations of PSR B1957+20. *Astron. Astrophys.* 463, L5-L8 (2007).
- Hui, C.Y. and W. Becker: Radio and X-ray nebulae associated with PSR J1509-5850. *Astron. Astrophys.* 470, 965-968 (2007).
- Hui, C.Y. and W. Becker: X-ray emission properties of the old pulsar PSR B2224+65. *Astron. Astrophys.* 467, 1209-1214 (2007).
- Hui, C.Y. and W. Becker: XMM-Newton Observations of PSR B1957+20, *Astron. Astrophys.* 463, L5, (2007).
- Immler, S., P.J. Brown, P. Milne, L. Dessart, P.A. Mazzali, W. Landsman, N. Gehrels, R. Petre, D.N. Burrows, J.A. Nousek, R.A. Chevalier, C.L. Williams, M. Koss, C.J. Stockdale, M.T. Kelley, K.W. Weiler, S.T. Holland, E. Pian, P.W.A. Roming, D. Pooley, K. Nomoto, J. Greiner, S. Campana and A.M. Soderberg: X-Ray, UV, and Optical Observations of Supernova 2006bp with Swift: Detection of Early X-Ray Emission. *Ap. J.* 664, 435-442 (2007).
- Ivlev, A.V., S.K. Zhdanov and G.E. Morfill: Free Thermal Convection in Complex Plasma with Background-Gas Friction. *Phys. Rev. Lett.* 99, 135004 (2007).
- Ivlev, A.V., V. Steinberg, R. Kompaneets, H. Höfner, I. Sidorenko and G.E. Morfill: Non-Newtonian Viscosity of Complex-Plasma Fluids. *Phys. Rev. Lett.* 98, 145003 (2007).
- Iyudin, A.F., V. Burwitz, J. Greiner, S. Larsson and A. Küpcü Yoldas: Gamma-ray absorption method (GRAM) application to the identification of EGRET unidentified sources. *Astron. Astrophys.* 468, 919-926 (2007).
- Jovanovic D., P.K. Shukla and G. Morfill: Nonlinear kinetic model for lower-hybrid solitary structures. *Phys. Plasmas* 14, 2901 (2007).
- Juhász, A., M. Horányi and G.E. Morfill: Signatures of Enceladus in Saturn's E ring. *Geophys. Res. Lett.* 34, 9104 (2007).
- Kartavykh, Y.Y., W. Dröge, B. Klecker, G. M. Mason, E. Möbius, M. Popecki, and S. Krucker: Evidence for a two-temperature source region in the 3He-rich solar energetic particle event of 2000 May 1, *Ap. J.*, 671, 947 (2007).
- Kataoka, J., J.N. Reeves, K. Iwasawa, A.G. Markowitz, R.F. Mushotzky, M. Arimoto, T. Takahashi, Y. Tsubuku, M. Ushio, S. Watanabe, L.C. Gallo, G.M. Madejski, Y.

- Terashima, N. Isobe, M.S. Tashiro and T. Kohmura: Probing the disk-jet connection of the radio galaxy 3C 120 observed with Suzaku. *Publ. Astron. Soc. Jpn.* 59, 2, 279-297 (2007).
- Kawada, M., H. Baba, P.D. Barthel, D. Clements, M. Cohen, Y. Doi, E. Figueredo, M. Fujiwara, T. Goto, S. Hasegawa, Y. Hibi, T. Hirao, N. Hiromoto, W.-S. Jeong, H. Kaneda, T. Kawai, A. Kawamura, D. Kester, T. Kii, H. Kobayashi, S.M. Kwon, H.M. Lee, S. Makiuti, H. Matsuo, S. Matsuura, T.G. Müller, N. Murakami, H. Nagata, T. Nakagawa, M. Narita, M. Noda, S.H. Oh, Y. Okada, H. Okuda, S. Oliver, T. Ootsubo, S. Pak, Y.-S. Park, C.P. Pearson, M. Rowan-Robinson, T. Saito, A. Salama, S. Sato, R. S. Savage, S. Serjeant, H. Shibai, M. Shirahata, J. Sohn, T. Suzuki, T. Takagi, H. Takahashi, M. Thomson, F. Usui, E. Verdugo, T. Watabe, G.J. White, L. Wang, I. Yamamura, C. Yamauchi and A. Yasuda: The Far-Infrared Surveyor (FIS) for AKARI. *Publ. Astron. Soc. Jpn.* 59, 389-400 (2007).
- Khrapak, S.A., B.A. Klumov and G.E. Morfill: Ion collection by a sphere in a flowing highly collisional plasma. *Phys. Plasmas* 14, 034502 (2007).
- Khrapak, S.A., B.A. Klumov and G.E. Morfill: Response to "Comment on 'Ion collection by a sphere in a flowing collisional plasma'" [Phys. Plasmas 14, 074701 (2007)]. *Phys. Plasmas* 14, 074702 (2007).
- Khrapak, S.A., G.E. Morfill, V.E. Fortov, L.G. D'Yachkov, A.G. Khrapak and O.F. Petrov: Attraction of Positively Charged Particles in Highly Collisional Plasmas. *Phys. Rev. Lett.* 99, 055003 (2007).
- Khrapak, S.A., S.K. Zhdanov, A.V. Ivlev and G.E. Morfill: Drag force on an absorbing body in highly collisional plasmas. *J. Appl. Phys.* 101, 033307 (2007).
- Kim, M., B.J. Wilkes, D.-W. Kim, P.J. Green, W.A. Barkhouse, M.G. Lee, J.D. Silverman and H.D. Tananbaum: Chandra multiwavelength project X-ray point source number counts and the cosmic X-ray background. *Ap. J.* 659, 1 Part 1, 29-51 (2007).
- Kim, M., D.-W. Kim, B.J. Wilkes, P.J. Green, E. Kim, C.S. Anderson, W.A. Barkhouse, N.R. Evans, Z. Ivezić, M. Karovska, V.L. Kashyap, M.G. Lee, P. Maksym, A.E. Mossman, J.D. Silverman and H.D. Tananbaum: Chandra multiwavelength project X-ray point source catalog. *Ap. J. Supplement Series* 169, 2, 401-429 (2007).
- Kis, A., M. Scholer, B. Klecker, H. Kucharek, E.A. Lucek and H. Rème: Scattering of field-aligned beam ions upstream of Earth's bow shock. *Ann. Geophysicae* 25, 785-799 (2007).
- Kissel, J., K. Altwegg, B.C. Clark, L. Colangeli, H. Cottin, S. Czempliel, J. Eibl, C. Engrand, H.M. Fehring, B. Feuerbacher, M. Fomenkova, A. Glasmachers, J.M. Greenberg, E. Grün, G. Haerendel, H. Henkel, M. Hilchenbach, H. von Hoerner, H. Höfner, K. Hornung, E.K. Jessberger, A. Koch, H. Krüger, Y. Langevin, P. Parigger, F. Raulin, F. Rüdener, J. Rynö, E.R. Schmid, R. Schulz, J. Silén, W. Steiger, T. Stephan, L. Thirkell, R. Thomas, K. Torkar, N.G. Utterback, K. Varmuza, K.P. Wanczek, W. Werther and H. Zscheeg: Cosima - High Resolution Time-of-Flight Secondary Ion Mass Spectrometer for the Analysis of Cometary Dust Particles onboard Rosetta. *Space Sci. Rev.* 128, 823-867 (2007).
- Klähn, T., D. Blaschke, F. Sandin, Ch. Fuchs, A. Fässler, H. Grigorian, G. Röpk and J. Trümper: Modern Compact star observations and the quark matter equation of state. *Phys. Rev. (B)* 654, 170-176 (2007).
- Klecker, B., E. Möbius and M.A. Popecki: Ionic Charge States of Solar Energetic Particles: A Clue to the Source. *Space Sci. Rev.* 130, 273-282 (2007).
- Klumov, B.A. and G.E. Morfill: Complex plasma in narrow channels: impact of confinement on the local order. *JETP Letters* 85, 10, 498-502 (2007).
- Klumov, B.A., M. Rubin-Zuzic and G.E. Morfill: Crystallization waves in a dusty plasma. *Soviet J. Exp. and Theo. Phys. Lett.* 84, 542-546 (2007).
- Knapek, C.A., A.V. Ivlev, B.A. Klumov, G.E. Morfill and D. Samsonov: Kinetic Characterization of Strongly Coupled Systems. *Phys. Rev. Lett.* 98, 015001 (2007).
- Knapek, C.A., D. Samsonov, S. Zhdanov, U. Konopka and G.E. Morfill: Recrystallization of a 2D Plasma Crystal. *Phys. Rev. Lett.* 98, 015004 (2007).
- Koehler, R.S., P. Schuecker and K. Gebhardt: Probing dark energy with baryonic acoustic oscillations at high redshifts. *Astron. Astrophys.* 462, 7-20 (2007).
- Koester, B.P., T.A. McKay, J. Annis, R.H. Wechsler, A. Evrard, L. Bleem, M. Becker, D. Johnston, E. Sheldon, R. Nichol, C. Miller, R. Scranton, N. Bahcall, J. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. Kleinman, J. Krzesinski, D. Long, A. Nitta, D.P. Schneider, S. Sneddin, W. Voges and D. York: A MaxBCG Catalog of 13,823 Galaxy Clusters from the Sloan Digital Sky Survey. *Ap. J.* 660, 239-255 (2007).
- Komossa, S. and D. Xu: Narrow-Line Seyfert 1 Galaxies and the MBH- σ Relation. *Ap. J. Lett.* 667, L33-L36 (2007).
- Kompaneets, R., U. Konopka, A.V. Ivlev, V. Tsytovich and G. Morfill: Potential around a charged dust particle in a collisional sheath. *Phys. Plasmas* 14, 052108 (2007).
- Kriek, M., P.G. van Dokkum, M. Franx, G.D. Illingworth, P. Coppi, N.M. Förster Schreiber, E. Gawiser, I. Labbé, P. Lira, D. Marchesini, R. Quadri, G. Rudnick, E.N. Taylor, C.M. Urry and P.P. van der Werf: The Origin of Line Emission in Massive $z \sim 2.3$ Galaxies: Evidence for Cosmic Downsizing of AGN Host Galaxies. *Ap. J.* 669, 776-790 (2007).
- Krips, M., A. Eckart, T.P. Krichbaum, J.-U. Pott, S. Leon, R. Neri, S. García-Burillo, F. Combes, F. Boone, A.J. Baker, L.J. Tacconi, E. Schinnerer and L.K. Hunt: NUClei of GALaxies. V. Radio emission in 7 NUGA sources. *Astron. Astrophys.* 464, 553-563 (2007).
- Krips, M., R. Neri, S. García-Burillo, F. Combes, E. Schinnerer, A.J. Baker, A. Eckart, F. Boone, L. Hunt, S. Leon and L.J. Tacconi: Molecular gas in NUClei of GALaxies (NUGA): VI. Detection of a molecular gas disk/torus via HCN in the Seyfert 2 galaxy NGC 6951?. *Astron. Astrophys.* 468, L63-L66 (2007).
- Krumpe, M., G. Lamer, A.D. Schwoppe, S. Wagner, G. Zamorani, M. Mignoli, R. Staubert, L. Wisotzki and G.

- Hasinger: The XMM-Newton survey in the Marano field. I. The X-ray data and optical follow-up. *Astron. Astrophys.* 466, 41-61 (2007).
- Küpcü Yoldas, A., M. Salvato, J. Greiner, D. Pierini, E. Pian and A. Rau: The host galaxy of GRB 011121: morphology and spectral energy distribution. *Astron. Astrophys.* 463, 893-902 (2007).
- Kuster, M., H. Bräuninger, S. Cebrián, M. Davenport, C. Eleftheriadis, J. Englhauser, H. Fischer, J. Franz, P. Friedrich, R. Hartmann, F.H. Heinsius, D.H.H. Hoffmann, G. Hoffmeister, J.N. Joux, D. Kang, K. Königsmann, R. Kotthaus, T. Papaevangelou, C. Lasseur, A. Lippitsch, G. Lutz, J. Morales, A. Rodríguez, L. Strüder, J. Vogel and K. Zioutas: The x-ray telescope of CAST. *New J. Phys.* 9, 169 (2007).
- Labbé, I., M. Franx, G. Rudnick, N.M. Förster Schreiber, P.G. van Dokkum, A. Moorwood, H.-W. Rix, H. Roettgering, I. Trujillo and P. van der Werf: The color-magnitude distribution of field galaxies to $z \sim 3$: the evolution and modeling of the blue sequence. *Ap. J.* 665, 2 Part 1, 944-972 (2007).
- Lauer, T.R., K. Gebhardt, S.M. Faber, D. Richstone, S. Tremaine, J. Kormendy, M.C. Aller, R. Bender, A. Dressler, A.V. Filippenko, R. Green and L.C. Ho: The Centers of Early-Type Galaxies with Hubble Space Telescope. VI. Bimodal Central Surface Brightness Profiles. *Ap. J.* 664, 226-256 (2007).
- Lehmer, B.D., W.N. Brandt, D.M. Alexander, E.F. Bell, D.H. McIntosh, F.E. Bauer, G. Hasinger, V. Mainieri, T. Miyaji, D.P. Schneider and A.T. Steffen: The X-Ray Evolution of Early-Type Galaxies in the Extended Chandra Deep Field-South. *Ap. J.* 657, 681-699 (2007).
- Leitenberger, W., R. Hartmann, U. Pietsch and L. Strüder: Application of a pnCCD as a 2D energy dispersive detector. *Acta Cryst.*, A63, 252 (2007).
- Lilly, S.J., O. Le Fèvre, A. Renzini, G. Zamorani, M. Scodreggio, T. Contini, C.M. Carollo, G. Hasinger, J.-P. Kneib, A. Iovino, V. Le Brun, C. Maier, V. Mainieri, M. Mignoli, J. Silverman, L.A.M. Tasca, M. Bolzonella, A. Bongiorno, D. Bottini, P. Capak, K. Caputi, A. Cimatti, O. Cucciati, E. Daddi, R. Feldmann, P. Franzetti, B. Garilli, L. Guzzo, O. Ilbert, P. Kampczyk, K. Kovac, F. Lamareille, A. Leauthaud, J.-F.L. Borgne, H.J. McCracken, C. Marinoni, R. Pello, E. Ricciardelli, C. Scarlata, D. Vergani, D.B. Sanders, E. Schinnerer, N. Scoville, Y. Taniguchi, S. Arnouts, H. Aussel, S. Bardelli, M. Brusa, A. Cappi, P. Ciliegi, A. Finoguenov, S. Foucaud, R. Franceschini, C. Halliday, C. Impey, C. Knobel, A. Koekemoer, J. Kurk, D. Maccagni, S. Maddox, B. Marano, G. Marconi, B. Meneux, B. Mobasher, C. Moreau, J.A. Peacock, C. Porciani, L. Pozzetti, R. Scaramella, D. Schiminovich, P. Shopbell, I. Smail, D. Thompson, L. Tresse, G. Vettolani, A. Zanichelli and E. Zucca: zCOSMOS: A Large VLT/VIMOS Redshift Survey Covering $0 < z < 3$ in the COSMOS Field. *Ap. J. Supp. Ser.* 172, 70-85 (2007).
- Lipaev, A.M., S.A. Khrapak, V.I. Molotkov, G.E. Morfill, V.E. Fortov, A.V. Ivlev, H.M. Thomas, A.G. Khrapak, V.N. Naumkin, A.I. Ivanov, S.E. Tretschnev and G.I. Padalka: Void Closure in Complex Plasmas under Microgravity Conditions. *Phys. Rev. Lett.* 98, 265006 (2007).
- Lisse, C.M., K. Dennerl, D.J. Christian, S.J. Wolk, D. Bodewits, T.H. Zurbuchen, K.C. Hansen, R. Hoekstra, M. Combi, C.D. Fry, M. Dryer, T. Mäkinen and W. Sun: Chandra observations of Comet 9P/Tempel 1 during the Deep Impact campaign. *Icarus* 190, 391-405 (2007).
- Lisse, C.M., K. Dennerl, D.J. Christian, S.J. Wolk, D. Bodewits, T.H. Zurbuchen, K.C. Hansen, R. Hoekstra, M. Combi, C.D. Fry, M. Dryer, T. Mäkinen and W. Sun: Chandra observations of Comet 9P/Tempel 1 during the Deep Impact campaign. *Icarus (Supplement)* 191, 295-309 (2007).
- Longhetti, M., P. Saracco, P. Severgnini, R. Della Ceca, F. Mannucci, R. Bender, N. Drory, G. Feulner and U. Hopp: The Kormendy relation of massive elliptical galaxies at $z \sim 1.5$: evidence for size evolution. *Mon. Not. R. Astron. Soc.* 374, 614-626 (2007).
- Lutz, D., E. Sturm, L.J. Tacconi, E. Valiante, M. Schweitzer, H. Netzer, R. Maiolino, P. Andreani, O. Shemmer and S. Veilleux: PAH Emission and Star Formation in the Host of the $z \sim 2.56$ Cloverleaf QSO. *Ap. J. Lett.* 661, L25-L28 (2007).
- Lutz, G., L. Andricek, R. Eckardt, O. Hälker, S. Hermann, P. Lechner, R. Richter, G. Schaller, F. Schopper, H. Soltau, L. Strüder, J. Treis, S. Wölfl and C. Zhang: DEPFET-detectors: New developments. *Nucl. Instrum. Methods Phys. Res. (A)* 572, 311-315 (2007).
- Lutz, G., R. Andritschke, L. Andricek, R. Eckardt, J. Englhauser, G. Fuchs, O. Hälker, R. Hartmann, K. Heinzinger, S. Hermann, P. Holl, N. Kimmel, P. Lechner, N. Meidinger, M. Porro, R.H. Richter, G. Schaller, M. Schnecke, F. Schopper, H. Soltau, L. Strüder, J. Treis, U. Weichert and S. Wölfl: Spectroscopic silicon imaging detectors: Past achievements and new developments. *Nucl. Instrum. Methods Phys. Res. (A)* 580, 960-967 (2007).
- Mainieri, V., G. Hasinger, N. Cappelluti, M. Brusa, H. Brunner, F. Civano, A. Comastri, M. Elvis, A. Finoguenov, F. Fiore, R. Gilli, I. Lehmann, J. Silverman, L. Tasca, C. Vignali, G. Zamorani, E. Schinnerer, C. Impey, J. Trump, S. Lilly, C. Maier, R.E. Griffiths, T. Miyaji, P. Capak, A. Koekemoer, N. Scoville, P. Shopbell and Y. Taniguchi: The XMM-Newton Wide-Field Survey in the COSMOS Field. IV. X-Ray Spectral Properties of Active Galactic Nuclei. *Ap. J. Supp. Ser.* 172, 368-382 (2007).
- Maiolino, R., O. Shemmer, M. Imanishi, H. Netzer, E. Oliva, D. Lutz and E. Sturm: Dust covering factor, silicate emission, and star formation in luminous QSOs. *Astron. Astrophys.* 468, 979-992 (2007).
- Maness, H., F. Martins, S. Trippe, R. Genzel, J.R. Graham, C. Sheehy, M. Salaris, S. Gillessen, T. Alexander, T. Paumard, T. Ott, R. Abuter and F. Eisenhauer: Evidence for a Long-standing Top-heavy Initial Mass Function in the Central Parsec of the Galaxy. *Ap. J.* 669, 1024-1041 (2007).
- Marchenko, S.V., C. Foellmi, A.F.J. Moffat, F. Martins, J.C. Bouret and E. Depagne: Spectroscopy of SMC Wolf-Rayet stars suggests that wind clumping does not depend on ambient metallicity. *Ap. J.* 656, 2 Part 2, L77-L80 (2007).

- Martins, F., R. Genzel, D.J. Hillier, F. Eisenhauer, T. Paumard, S. Gillessen, T. Ott and S. Trippe: Stellar and wind properties of massive stars in the central parsec of the Galaxy. *Astron. Astrophys.* 468, 233-254 (2007).
- Massey, R., J. Rhodes, R. Ellis, N. Scoville, A. Leauthaud, A. Finoguenov, P. Capak, D. Bacon, H. Aussel, J.-P. Kneib, A. Koekemoer, H. McCracken, B. Mobasher, S. Pires, A. Refregier, S. Sasaki, J.-L. Starck, Y. Taniguchi, A. Taylor and J. Taylor: Dark matter maps reveal cosmic scaffolding. *Nature* 445, 286-290 (2007).
- Mateos, S., X. Barcons, F.J. Carrera, M.J. Page, M.T. Ceballos, G. Hasinger and A.C. Fabian: XMM-Newton observations of the Lockman Hole. V. Time variability of the brightest AGN. *Astron. Astrophys.* 473, 105-120 (2007).
- Matsui, H., P.A. Puhl-Quinn, R.B. Torbert, W. Baumjohann, C.J. Farrugia, C.G. Mouikis, E.A. Lucek, P.M.E. Décréau and G. Paschmann: Cluster observations of broadband ULF waves near the dayside polar cap boundary: Two detailed multi-instrument event studies. *J. Geophys. Res. (Space Phys.)* 112, 7218 (2007).
- Matsukiyo, S., M. Scholer and D. Burgess: Pickup protons at quasi-perpendicular shocks: full particle electrodynamic simulations. *Ann. Geophysicae* 25, 1, 283-291 (2007).
- Matsushita, K., H. Böhringer, I. Takahashi and Y. Ikebe: The abundance pattern of O, Mg, Si, and Fe in the intracluster medium of the Centaurus cluster observed with XMM-Newton. *Astron. Astrophys.* 462, 953-963 (2007).
- McBreen, S. and J. Greiner: Eine Klasse für sich? *Physik Journal* 6, Heft 2, 16-17 (2007).
- McCarthy, P.J., H. Yan, R.G. Abraham, E. Mentuch, K. Glazebrook, L. Yan, H.-W. Chen, S.E. Persson, P. Nair, S. Savaglio, D. Crampton, S. Juneau, D. LeBorgne, R.G. Carlberg, R.O. Marzke, I. Jørgensen, K. Roth and R. Murowinski: A Compact Cluster of Massive Red Galaxies at a Redshift of 1.5. *Ap. J. Lett.* 664, L17-L21 (2007).
- McCracken, H.J., J.A. Peacock, L. Guzzo, P. Capak, C. Porciani, N. Scoville, H. Aussel, A. Finoguenov, J.B. James, M.G. Kitzbichler, A. Koekemoer, A. Leauthaud, O. Le Fèvre, R. Massey, Y. Mellier, B. Mobasher, P. Norberg, J. Rhodes, D.B. Sanders, S.S. Sasaki, Y. Taniguchi, D.J. Thompson, S.D.M. White and A. El-Zant: The Angular Correlations of Galaxies in the COSMOS Field. *Ap. J. Supp. Ser.* 172, 314-319 (2007).
- McGlynn, S., D.J. Clark, A.J. Dean, L. Hanlon, S. McBreen, D.R. Willis, B. McBreen, A.J. Bird and S. Foley: Polarisation studies of the prompt gamma-ray emission from GRB 041219a using the spectrometer aboard INTEGRAL. *Astron. Astrophys.* 466, 895-904 (2007).
- McHardy, I.M., P. Arévalo, P. Uttley, I.E. Papadakis, D.P. Summons, W. Brinkmann and M.J. Page: Discovery of multiple Lorentzian components in the X-ray timing properties of the Narrow Line Seyfert 1 Ark 564. *Mon. Not. R. Astron. Soc.* 382, 985-994 (2007).
- Merloni, A. and S. Heinz: Measuring the kinetic power of active galactic nuclei in the radio mode. *Mon. Not. R. Astron. Soc.* 381, 2, 589-601 (2007).
- Mignani, R.P., S. Bagnulo, J. Dyks, G. Lo Curto and A. Slowikowska: The optical polarisation of the Vela pulsar revisited. *Astron. Astrophys.* 467, 3, 1157-1162 (2007).
- Miniutti, G., A.C. Fabian, N. Anabuki, J. Crummy, Y. Fukazawa, L. Gallo, Y. Haba, K. Hayashida, S. Holt, H. Kunieda, J. Larsson, A. Markowitz, C. Matsumoto, M. Ohno, J.N. Reeves, T. Takahashi, Y. Tanaka, Y. Terashima, K. Torii, Y. Ueda, M. Ushio, S. Watanabe, M. Yamauchi and T. Yaqoob: Suzaku observations of the hard X-ray variability of MCG-6-30-15: the effects of strong gravity around a Kerr black hole. *Publ. Astron. Soc. Jpn.* 59, SPI, S315-S325 (2007).
- Mitsuda, K., M. Bautz, H. Inoue, R.L. Kelley, K. Koyama, H. Kunieda, K. Makishima, Y. Ogawara, R. Petre, T. Takahashi, H. Tsunemi, N.E. White, N. Anabuki, L. Angelini, K. Arnaud, H. Awaki, A. Bamba, K. Boyce, G.V. Brown, K.-W. Chan, J. Cottam, T. Dotani, J. Doty, K. Ebisawa, Y. Ezoe, A.C. Fabian, E. Figueroa, R. Fujimoto, Y. Fukazawa, T. Furusho, A. Furuzawa, K. Gendreau, R.E. Griffiths, Y. Haba, K. Hamaguchi, I. Harrus, G. Hasinger, I. Hatsukade, K. Hayashida, P.J. Henry, J.S. Hiraga, S.S. Holt, A. Hornschemeier, J.P. Hughes, U. Hwang, M. Ishida, Y. Ishisaki, N. Isobe, M. Itoh, N. Iyomoto, S.M. Kahn, T. Kamae, H. Katagiri, J. Kataoka, H. Katayama, N. Kawai, C. Kilbourne, K. Kinugasa, S. Kissel, S. Kitamoto, M. Kohama, T. Kohmura, M. Kokubun, T. Kotani, J. Kotoku, A. Kubota, G.M. Madejski, Y. Maeda, F. Makino, A. Markowitz, C. Matsumoto, H. Matsumoto, M. Matsuoka, K. Matsushita, D. McCammon, T. Mihara, K. Misaki, E. Miyata, T. Mizuno, K. Mori, H. Mori, M. Morii, H. Moseley, K. Mukai, H. Murakami, T. Murakami, R. Mushotzky, F. Nagase, M. Namiki, H. Negoro, K. Nakazawa, J.A. Nousek, T. Okajima, Y. Ogasaka, T. Ohashi, T. Oshima, N. Ota, M. Ozaki, H. Ozawa, A.N. Parmar, W.D. Pence, F.S. Porter, J.N. Reeves, G.R. Ricker, I. Sakurai, W.T. Sanders, A. Senda, P. Serlemitsos, R. Shibata, Y. Soong, R. Smith, M. Suzuki, A.E. Szymkowiak, H. Takahashi, T. Tamagawa, K. Tamura, T. Tamura, Y. Tanaka, M. Tashiro, Y. Tawara, Y. Terada, Y. Terashima, H. Tomida, K. Torii, Y. Tsuboi, M. Tsujimoto, T.G. Tsuru, M.J.L. Turner, Y. Ueda, S. Ueno, M. Ueno, S. Uno, Y. Urata, S. Watanabe, N. Yamamoto, K. Yamaoka, N.Y. Yamasaki, K. Yamashita, M. Yamauchi, S. Yamauchi, T. Yaqoob, D. Yonetoku and A. Yoshida: The X-Ray Observatory Suzaku. *Publ. Astron. Soc. Jpn.* 59, 1-7 (2007).
- Miyaji, T., G. Zamorani, N. Cappelluti, R. Gilli, R.E. Griffiths, A. Comastri, G. Hasinger, M. Brusa, F. Fiore, S. Puccetti, L. Guzzo and A. Finoguenov: The XMM-Newton Wide-Field Survey in the COSMOS Field. V. Angular Clustering of the X-Ray Point Sources. *Ap. J. Supp. Ser.* 172, 396-405 (2007).
- Mobasher, B., P. Capak, N.Z. Scoville, T. Dahlen, M. Salvato, H. Aussel, D.J. Thompson, R. Feldmann, L. Tasca, O. Lefevre, S. Lilly, C.M. Carollo, J.S. Kartaltepe, H. McCracken, J. Mould, A. Renzini, D.B. Sanders, P.L. Shopbell, Y. Taniguchi, M. Ajiki, Y. Shioya, T. Contini, M. Giavalisco, O. Ilbert, A. Iovino, V. Le Brun, V. Mainieri, M. Mignoli and M. Scodreggio: Photometric Redshifts of Galaxies in COSMOS. *Ap. J. Supp. Ser.* 172, 117-131 (2007).
- Morfill, G.E., A.V. Ivlev, M. Rubin-Zuzic, C.A. Knapek, R.

- Pompl, T. Antonova and H.M. Thomas: Complex plasmas - new discoveries in strong coupling physics. *Appl. Phys. (B)* 89, 527-534 (2007).
- Mrowczynski, S. and M.H. Thoma: What Do Electromagnetic Plasmas Tell Us about the Quark-Gluon Plasma? *Ann. Rev. Nucl. Part. Sci.* 57, 61-94 (2007).
- Mueller Sanchez, F., C. Gal, F. Eisenhauer, A. Krabbe and T. Herbst: SERPIL/LINUS: a design study for a Near-Infrared Interferometric Integral Field Spectrometer for the LBT. *Astron. Nachr.* 328, 628 (2007).
- Müller, A. and B. Aschenbach: Non-monotonic orbital velocity profiles around rapidly rotating Kerr-(anti-)de Sitter black holes, *Classical and Quantum Gravity* 24, 2637-2644 (2007).
- Müller, T.G. and P.J. Barnes: 3.2 mm lightcurve observations of (4) Vesta and (9) Metis with the Australia Telescope Compact Array. *Astron. Astrophys.* 467, 737-747 (2007).
- Murakami, H., H. Baba, P. Barthel, D.L. Clements, M. Cohen, Y. Doi, K. Enya, E. Figueredo, H. Fujishiro, H. Fujiwara, M. Fujiwara, P. Garcia-Lario, T. Goto, S. Hasegawa, Y. Hibi, T. Hirao, N. Hiramoto, S.S. Hong, K. Imai, M. Ishigaki, M. Ishiguro, D. Ishihara, Y. Ita, W.-S. Jeong, K.S. Jeong, H. Kaneda, H. Kataza, M. Kawada, T. Kawai, A. Kawamura, M.F. Kessler, D. Kester, T. Kii, D.C. Kim, W. Kim, H. Kobayashi, B.C. Koo, S.M. Kwon, H.M. Lee, R. Lorente, S. Makiuti, H. Matsuhara, T. Matsumoto, H. Matsuo, S. Matsuura, T.G. Müller, N. Murakami, H. Nagata, T. Nakagawa, T. Naoi, M. Narita, M. Noda, S.H. Oh, A. Ohnishi, Y. Ohyama, Y. Okada, H. Okuda, S. Oliver, T. Onaka, T. Ootsubo, S. Oyabu, S. Pak, Y.-S. Park, C.P. Pearson, M. Rowan-Robinson, T. Saito, I. Sakon, A. Salama, S. Sato, R.S. Savage, S. Serjeant, H. Shibai, M. Shirahata, J. Sohn, T. Suzuki, T. Takagi, H. Takahashi, T. Tanabé, T.T. Takeuchi, S. Takita, M. Thomson, K. Uemizu, M. Ueno, F. Usui, E. Verdugo, T. Wada, L. Wang, T. Watabe, H. Watarai, G.J. White, I. Yamamura, C. Yamauchi and A. Yasuda: The Infrared Astronomical Mission AKARI. *Publ. Astron. Soc. Jpn.* 59, 369-376 (2007).
- Murante, G., M. Giovalli, O. Gerhard, M. Arnaboldi, S. Borgani and K. Dolag: The importance of mergers for the origin of intracluster stars in cosmological simulations of galaxy clusters. *Mon. Not. R. Astron. Soc.* 377, 2-16 (2007).
- Nandra, K. and K. Iwasawa: A Compton-thick active galactic nucleus powering the hyperluminous infrared galaxy IRAS 00182-7112. *Mon. Not. R. Astron. Soc. Lett.* 382, 1, L1-L5 (2007).
- Nesvadba, N.P.H., M.D. Lehnert, R. Genzel, F. Eisenhauer, A.J. Baker, S. Seitz, R. Davies, D. Lutz, L. Tacconi, M. Tecza, R. Bender and R. Abuter: Intense Star Formation and Feedback at High Redshift: Spatially Resolved Properties of the $z = 2.6$ Submillimeter Galaxy SMM J14011+0252. *Ap. J.* 657, 725-737 (2007).
- Netzer, H. and B. Trakhtenbrot: Cosmic evolution of mass accretion rate and metallicity in active galactic nuclei. *Ap. J.* 654, 2 Part 1, 754-763 (2007).
- Netzer, H., D. Lutz, M. Schweitzer, A. Contursi, E. Sturm, L.J. Tacconi, S. Veilleux, D.-C. Kim, D. Rupke, A.J. Baker, K. Dasyra, J. Mazzarella and S. Lord: Spitzer Quasar and ULIRG Evolution Study (QUEST). II. The Spectral Energy Distributions of Palomar-Green Quasars. *Ap. J.* 666, 806-816 (2007).
- Neumayer, N., M. Cappellari, J. Reunanen, H.-W. Rix, P. van der Werf, T. de Zeeuw and R. Davies: The Central Parsecs of Centaurus A: High-excitation Gas, a Molecular Disk, and the Mass of the Black Hole. *Ap. J.* 671, doi:10.1086/523039, 1329-1344 (2007).
- Noll, S., D. Pierini, M. Pannella and S. Savaglio: Presence of dust with a UV bump in massive, star-forming galaxies at $1 < z < 2.5$. *Astron. Astrophys.* 472, 455-469 (2007).
- Nosenko, V., R. Fisher, R. Merlino, S. Khrapak, G. Morfill and K. Avinash: Measurement of the ion drag force in a collisionless plasma with strong ion-grain coupling. *Phys. Plasmas* 14, 103702 (2007).
- Nosenko, V., S. Zhdanov and G. Morfill: Supersonic Dislocations Observed in a Plasma Crystal. *Phys. Rev. Lett.* 99, 025002 (2007).
- Nowak, N., R.P. Saglia, J. Thomas, R. Bender, M. Pannella, K. Gebhardt and R.I. Davies: The supermassive black hole in NGC4486a detected with SINFONI at the Very Large Telescope. *Mon. Not. R. Astron. Soc.* 379, 909-914 (2007).
- Noyola, E. and K. Gebhardt: Surface brightness profiles for a sample of LMC, SMC and Fornax galaxy globular clusters. *Astronomical Journal* 134, 3, 912-925 (2007).
- Nürnbergger, D.E.A., R. Chini, F. Eisenhauer, M. Kissler-Patig, A. Modigliani, R. Siebenmorgen, M.F. Sterzik and T. Szeifert: Formation of a massive protostar through disk accretion. II. SINFONI integral field spectroscopy of the M 17 silhouette disk and discovery of the associated H₂ jet. *Astron. Astrophys.* 465, 931-936 (2007).
- Orosz, J.A., J.E. McClintock, R. Narayan, C.D. Bailyn, J.D. Hartman, L. Macri, J. Liu, W. Pietsch, R.A. Remillard, A. Shporer and T. Mazeh: A 15.65-solar-mass black hole in an eclipsing binary in the nearby spiral galaxy M 33. *Nature* 449, 872-875 (2007).
- Page, M.J., I. Lehmann, T. Boller, M.G. Watson, T. Dwelly, S. Hess, I. Matute, N.S. Loaring, S. Rosen, H. Ziaeeppour, A. Schwöpe, G. Lamer, F.J. Carrera, J. Tedds, R. Della Ceca, P. Severgnini, R.G. McMahon and W. Yuan: The XMM-SSC survey of hard-spectrum XMM-Newton sources - I. Optically bright sources. *Mon. Not. R. Astron. Soc.* 378, 1335-1355 (2007).
- Papadakis, I.E., W. Brinkmann, M.J. Page, I. McHardy and P. Uttley: XMM-Newton observation of the NLS1 galaxy Ark 564. I. Spectral analysis of the time-average spectrum. *Astron. Astrophys.* 461, 931-942 (2007).
- Pecnik, B. and C. Broeg: On the low-mass planethood criterion. *Planet. Space Sci.* 55, 5, 672-677 (2007).
- Pecnik, B. and G. Wuchterl: Protoplanetary dynamics - I. Dynamical modes of isothermal protoplanets. *Mon. Not. R. Astron. Soc.* 381, 2, 640-646 (2007).
- Phan, T.D., G. Paschmann, C. Twitty, F.S. Mozer, J.T. Gosling, J.P. Eastwood, M. Øieroset, H. Rème and E.A. Lucek: Evidence for magnetic reconnection initiated in the

- magnetosheath. *Geophys. Res. Lett.* 34, 14104 (2007).
- Pheps, S., C. Wolf, J.A. Peacock, K. Meisenheimer and E. van Kampen: COMBO-17 measurements of the effect of environment on the type-dependent galaxy luminosity function. *Astron. Astrophys.* 468, 113-120 (2007).
- Piconcelli, E., F. Fiore, F. Nicastro, S. Mathur, M. Brusa, A. Comastri and S. Puccetti: The XMM-Newton view of IRAS 09104+4109: evidence for a changing-look Type 2 quasar?. *Astron. Astrophys.* 473, 85-89 (2007).
- Pietsch, W., F. Haberl, G. Sala, H. Stiele, K. Hornoch, A. Riffeser, J. Fliri, R. Bender, S. Bühler, V. Burwitz, J. Greiner and S. Seitz: X-ray monitoring of optical novae in M 31 from July 2004 to February 2005. *Astron. Astrophys.* 465, 375-392 (2007).
- Popesso, P., A. Biviano, H. Böhringer and M. Romaniello: RASS-SDSS galaxy cluster survey. VII. On the cluster mass-to-light ratio and the halo occupation distribution. *Astron. Astrophys.* 464, 451-464 (2007).
- Popesso, P., A. Biviano, H. Böhringer and M. Romaniello: RASS-SDSS galaxy cluster survey. V. The X-ray-underluminous Abell clusters. *Astron. Astrophys.* 461, 397-410 (2007).
- Popesso, P., A. Biviano, M. Romaniello and H. Böhringer: RASS-SDSS galaxy cluster survey. VI. The dependence of the cluster SFR on the cluster global properties. *Astron. Astrophys.* 461, 411-421 (2007).
- Porquet, D., J.N. Reeves, A. Markowitz, T.J. Turner, L. Miller and K. Nandra: An XMM-Newton view of the X-ray flat radio-quiet quasar PG 1416-129. *Astron. Astrophys.* 466, 1, 23-30 (2007).
- Pozzi, F., C. Vignali, A. Comastri, L. Pozzetti, M. Mignoli, C. Gruppioni, G. Zamorani, C. Lari, F. Civano, M. Brusa, F. Fiore, R. Maiolino and F. La Franca: The HELLAS2XMM survey. X. The bolometric output of luminous obscured quasars: The Spitzer perspective. *Astron. Astrophys.* 468, 603-612 (2007).
- Pratt, G.W., H. Böhringer, J.H. Croston, M. Arnaud, S. Borgani, A. Finoguenov and R.F. Temple: Temperature profiles of a representative sample of nearby X-ray galaxy clusters. *Astron. Astrophys.* 461, 71-80 (2007).
- Puech, M., F. Hammer, M.D. Lehnert and H. Flores: 3D spectroscopy with VLT/GIRAFFE - IV. Angular momentum and dynamical support of intermediate redshift galaxies. *Astron. Astrophys.* 466, 1, 83-92 (2007).
- Räth, C., P. Schuecker and A.J. Banday: A scaling index analysis of the Wilkinson Microwave Anisotropy Probe three-year data: signatures of non-Gaussianities and asymmetries in the cosmic microwave background. *Mon. Not. R. Astron. Soc.* 380, 466-478 (2007).
- Rattenbury, N.J., S. Mao, V.P. Debattista, T. Sumi, O. Gerhard and F. De Lorenzi: Proper motion dispersions of red clump giants in the galactic bulge: observations and model comparisons. *Mon. Not. R. Astron. Soc.* 378, doi:10.1111/j.1365-2966.2007.11851.x, 1165-1176 (2007).
- Ratynskaia, S., M. de Angeli, U. de Angelis, C. Marmolino, G. Capobianco, M. Lontano, E. Lazzaro, G.E. Morfill and G. Gervasini: Observation of the Effects of Dust Particles on Plasma Fluctuation Spectra. *Phys. Rev. Lett.* 99, 075002 (2007).
- Ratynskaia, S., R. Kompaneets, A.V. Ivlev, C. Knapik and G.E. Morfill: Transport in strongly coupled two-dimensional complex plasmas: Role of the interaction potential. *Phys. Plasmas* 14, 010702 (2007).
- Ravikumar, C.D., M. Puech, H. Flores, D. Proust, F. Hammer, M. Lehnert, A. Rawat, P. Amram, C. Balkowski, D. Burgarella, P. Cassata, C. Cesarsky, A. Cimatti, F. Combes, E. Daddi, H. Dannerbauer, S.D. Alighieri, D. Elbaz, B. Guiderdoni, A. Kembhavi, Y.C. Liang, L. Pozzetti, D. Vergani, J. Vernet, H. Wozniak and X.Z. Zheng: New spectroscopic redshifts from the CDFS and a test of the cosmological relevance of the GOODS-South field. *Astron. Astrophys.* 465, 3, 1099-1108 (2007).
- Reeves, J.N., H. Awaki, G.C. Dewangan, A.C. Fabian, Y. Fukazawa, L. Gallo, R. Griffiths, H. Inoue, H. Kunieda, A. Markowitz, G. Miniutti, T. Mizuno, R. Mushotzky, T. Okajima, A. Ptak, T. Takahashi, Y. Terashima, M. Ushio, S. Watanabe, T. Yamasaki, M. Yamauchi and T. Yaqoob: Revealing the high energy emission from the obscured Seyfert galaxy MCG-5-23-16 with Suzaku. *Publ. Astron. Soc. Jpn.* 59, SPI, S301-S314 (2007).
- Reid, M.J., K.M. Menten, S. Trippe, T. Ott and R. Genzel: The Position of Sagittarius A*. III. Motion of the Stellar Cusp. *Ap. J.* 659, 378-388 (2007).
- Rodighiero, G., A. Cimatti, A. Franceschini, M. Brusa, J. Fritz and M. Bolzonella: Unveiling the oldest and most massive galaxies at very high redshift. *Astron. Astrophys.* 470, 21-37 (2007).
- Roediger, E., M. Brüggen, P. Rebusco, H. Böhringer and E. Churazov: Metal mixing by buoyant bubbles in galaxy clusters. *Mon. Not. R. Astron. Soc.* 375, 15-28 (2007).
- Rossetti, M., S. Ghizzardi, S. Molendi and A. Finoguenov: A cluster in a crowded environment: XMM-Newton and Chandra observations of A3558. *Astron. Astrophys.* 463, 839-851 (2007).
- Rubin-Zuzic, M., H.M. Thomas, S.K. Zhdanov and G.E. Morfill: Circulation' dynamo in complex plasma. *New J. Phys.* 9, 39 (2007).
- Sala, G., J. Greiner, J. Vink, F. Haberl, E. Kendziorra and X.-L. Zhang: The highly ionized disk wind of GRO J1655-40. *Astron. Astrophys.* 461, doi:10.1051/0004-6361:20065168, 1049-1056 (2007).
- Sala, G., J. Greiner, M. Ajello, E. Bottacini and F. Haberl: XMM-Newton and INTEGRAL observations of the black hole candidate XTE J1817-330. *Astron. Astrophys.* 473, doi: 10.1051/0004-6361:20077360, 561-568 (2007).
- Sanders, D.B., M. Salvato, H. Aussel, O. Ilbert, N. Scoville, J.A. Surace, D.T. Frayer, K. Sheth, G. Helou, T. Brooke, B. Bhattacharya, L. Yan, J.S. Kartaltepe, J.E. Barnes, A.W. Blain, D. Calzetti, P. Capak, C. Carilli, C.M. Carollo, A. Comastri, E. Daddi, R.S. Ellis, M. Elvis, S.M. Fall, A. Franceschini, M. Giavalisco, G. Hasinger, C. Impey, A. Koekemoer, O. Le Fèvre, S. Lilly, M.C. Liu, H.J. McCracken, B. Mobasher, A. Renzini, M. Rich, E. Schinnerer, P.L. Shopbell, Y. Taniguchi, D.J. Thompson, C.M. Urry and J.P. Williams: S-COSMOS: The Spitzer Legacy Survey of the Hubble Space Telescope ACS

- 2 deg2 COSMOS Field I: Survey Strategy and First Analysis. *Ap. J. Supp. Ser.* 172, 86-98 (2007).
- Schödel, R., A. Eckart, T. Alexander, D. Merritt, R. Genzel, A. Sternberg, L. Meyer, F. Kul, J. Moutaka, T. Ott and C. Straubmeier: The structure of the nuclear stellar cluster of the Milky Way. *Astron. Astrophys.* 469, 125-146 (2007).
- Scholer, M., and D. Burgess: Whistler waves, core ion heating, and nonstationarity in oblique collisionless shocks, *Phys. Plasmas* 14 (7), pp. 072103-072103-11 (2007).
- Schwabe, M., M. Rubin-Zuzic, S. Zhdanov, H.M. Thomas and G.E. Morfill: Highly Resolved Self-Excited Density Waves in a Complex Plasma. *Phys. Rev. Lett.* 99, 095002 (2007).
- Schwarz, R., A.D. Schwöpe, A. Staude, A. Rau, G. Hasinger, T. Urrutia and C. Motch: Paloma (RX J0524+42): the missing link in magnetic CV evolution?. *Astron. Astrophys.* 473, 511-521 (2007).
- Scoville, N., H. Aussel, A. Benson, A. Blain, D. Calzetti, P. Capak, R.S. Ellis, A. El-Zant, A. Finoguenov, M. Giavalisco, L. Guzzo, G. Hasinger, J. Koda, O. Le Fèvre, R. Massey, H.J. McCracken, B. Mobasher, A. Renzini, J. Rhodes, M. Salvato, D.B. Sanders, S.S. Sasaki, E. Schinnerer, K. Sheth, P.L. Shopbell, Y. Taniguchi, J.E. Taylor and D.J. Thompson: Large Structures and Galaxy Evolution in COSMOS at $z < 1.1$. *Ap. J. Supp. Ser.* 172, 150-181 (2007).
- Scoville, N., H. Aussel, M. Brusa, P. Capak, C.M. Carollo, M. Elvis, M. Giavalisco, L. Guzzo, G. Hasinger, C. Impey, J.-P. Kneib, O. Le Fevre, S.J. Lilly, B. Mobasher, A. Renzini, R.M. Rich, D.B. Sanders, E. Schinnerer, D. Schminovich, P. Shopbell, Y. Taniguchi and N.D. Tyson: The Cosmic Evolution Survey (COSMOS): Overview. *Ap. J. Supp. Ser.* 172, 1-8 (2007).
- Scoville, N., R.G. Abraham, H. Aussel, J.E. Barnes, A. Benson, A.W. Blain, D. Calzetti, A. Comastri, P. Capak, C. Carilli, J.E. Carlstrom, C.M. Carollo, J. Colbert, E. Daddi, R.S. Ellis, M. Elvis, S.P. Ewald, M. Fall, A. Franceschini, M. Giavalisco, W. Green, R.E. Griffiths, L. Guzzo, G. Hasinger, C. Impey, J.-P. Kneib, J. Koda, A. Koekemoer, O. Le Fevre, S. Lilly, C.T. Liu, H.J. McCracken, R. Massey, Y. Mellier, S. Miyazaki, B. Mobasher, J. Mould, C. Norman, A. Refregier, A. Renzini, J. Rhodes, M. Rich, D.B. Sanders, D. Schiminovich, E. Schinnerer, M. Scodeggio, K. Sheth, P.L. Shopbell, Y. Taniguchi, N.D. Tyson, C.M. Urry, L. van Waerbeke, P. Vettolani, S.D.M. White and L. Yan: COSMOS: Hubble Space Telescope Observations. *Ap. J. Supp. Ser.* 172, 38-45 (2007).
- Serlemitsos, P.J., Y. Soong, K.-W. Chan, T. Okajima, J.P. Lehan, Y. Maeda, K. Itoh, H. Mori, R. Iizuka, A. Itoh, H. Inoue, S. Okada, Y. Yokoyama, Y. Itoh, M. Ebara, R. Nakamura, K. Suzuki, M. Ishida, A. Hayakawa, C. Inoue, S. Okuma, R. Kubota, M. Suzuki, T. Osawa, K. Yamashita, H. Kunieda, Y. Tawara, Y. Ogasaka, A. Furuzawa, K. Tamura, R. Shibata, Y. Haba, M. Naitou and K. Misaki: The X-Ray Telescope onboard Suzaku. *Publ. Astron. Soc. Jpn.* 59, 9-21 (2007).
- Seurig, R., G. Morfill, V. Fortov and P. Hofmann: Complex plasma research on ISS past, present, and future facilities. *Acta Astronautica* 61, 940-953 (2007).
- Shen, B.S., H.J. Mo, S.D.M. White, M.R. Blanton, G. Kauffmann, W. Voges, J. Brinkmann and I. Csabai: Erratum: The size distribution of galaxies in the Sloan Digital Sky Survey. *Mon. Not. R. Astron. Soc.* 379, 400-400 (2007).
- Shimizu, S.S., T.S. Shimizu, B.M. Annaratone, W.J. Jacob, C.L. Linsmeier, S.L. Lindig, R.S. Stark, F.J. Jamitzky, H.T. Thomas, N.S. Sato and G. Morfill: The approach to diamond growth on levitating seed particles. *Applied Surface Science* 254, doi:10.1016/j.apsusc.2007.07.017, 177-180 (2007).
- Shporer, A., J. Hartman, T. Mazeh and W. Pietsch: Photometric analysis of the optical counterpart of the black hole HMXB M 33 X-7. *Astron. Astrophys.* 462, 1091-1095 (2007).
- Shukla, N., P.K. Shukla and G.E. Morfill: Amplification of magnetic fields by polaritonic flows in quantum pair plasmas. *J. Plasma Phys.* 73, 3, 289-293 (2007).
- Shukla, N., P.K. Shukla, C.S. Liu and G.E. Morfill: Generation of magnetic fields in a positive-negative dusty plasma. *J. Plasma Phys.* 73, 2, 141-144 (2007).
- Simionescu, A., H. Böhringer, M. Brüggen and A. Finoguenov: The gaseous atmosphere of M 87 seen with XMM-Newton. *Astron. Astrophys.* 465, 749-758 (2007).
- Simson, M., P. Holl, A.R. Müller, A. Niculae, G. Petzoldt, K. Schreckenbach, H. Soltau, L. Strüder, H.-F. Wirth and O. Zimmer: Detection of low-energy protons using a silicon drift detector. *Nucl. Instrum. Methods Phys. Res. (A)* 581, 772-775 (2007).
- Smolcic, V., E. Schinnerer, A. Finoguenov, I. Sakelliou, C.L. Carilli, C.S. Botzler, M. Brusa, N. Scoville, M. Ajiki, P. Capak, L. Guzzo, G. Hasinger, C. Impey, K. Jahnke, J. S. Kartaltepe, H.J. McCracken, B. Mobasher, T. Murayama, S.S. Sasaki, Y. Shioya, Y. Taniguchi and J.R. Trump: A wide-angle tail radio galaxy in the COSMOS field: evidence for cluster formation. *Ap. J. Suppl. Ser.* 172, 1, 295-313 (2007).
- Snekvik, K., S. Haaland, N. Østgaard, H. Hasegawa, R. Nakamura, T. Takada, L. Juusola, O. Amm, F. Pitout, H. Rème, B. Klecker and E.A. Lucek: Cluster observations of a field aligned current at the dawn flank of a bursty bulk flow. *Ann. Geophysicae* 25, 1405-1415 (2007).
- Sonnerup, B.U.Ö., S. Haaland, G. Paschmann, M.W. Dunlop, H. Rème and A. Balogh: Correction to "Orientation and motion of a plasma discontinuity from single-spacecraft measurements: Generic residue analysis of Cluster data". *J. Geophys. Res. (Space Phys.)* 112, 4201 (2007).
- Stansberry, J.A., K.D. Gordon, B. Bhattacharya, C.W. Engelbracht, G.H. Rieke, F.R. Marleau, D. Fadda, D.T. Frayer, A. Noriega-Crespo, S. Wachter, E.T. Young, T.G. Müller, D.M. Kelly, M. Blaylock, D. Henderson, G. Neugebauer, J.W. Beaman and E.E. Haller: Absolute Calibration and Characterization of the Multiband Imaging Photometer for Spitzer. III. An Asteroid-based Calibration of MIPS at 160 μm . *Publ. Astron. Soc. Pac.* 119, 1038-1051 (2007).
- Strong, A.W., I.V. Moskalenko and V.S. Ptuskin: Cosmic-

- ray propagation and interactions in the Galaxy. *Annual Reviews of Nuclear and Particle Science* 57, 285-327 (2007).
- Stupar, M., Q.A. Parker, M.D. Filipović, D.J. Frew, I. Bojčić and B. Aschenbach: Multiwavelength study of a new Galactic SNR G332.5-5.6. *Mon. Not. R. Astron. Soc.* 381, 377-388 (2007).
- Sudilovsky, V., S. Savaglio, P. Vreeswijk, C. Ledoux, A. Smette and J. Greiner: Intervening Metal Systems in GRB and QSO Sight Lines: The Mg II and C IV Question. *Ap. J.* 669, 741-748 (2007).
- Swinbank, A.M., A.C. Edge, I. Smail, J.P. Stott, M. Bremer, Y. Sato, C. van Breukelen, M. Jarvis, I. Waddington, L. Clewley, J. Bergeron, G. Cotter, S. Dye, J.E. Geach, E. Gonzalez-Solares, P. Hirst, R.J. Ivison, S. Rawlings, C. Simpson, G.P. Smith, A. Verma and T. Yamada: The discovery of a massive supercluster at $z = 0.9$ in the UKIDSS Deep eXtragalactic Survey. *Mon. Not. R. Astron. Soc.* 379, 1343-1351 (2007).
- Takahashi, M.I., Y. Shioya, Y. Taniguchi, T. Murayama, M. Ajiki, S.S. Sasaki, O. Koizumi, T. Nagao, N.Z. Scoville, B. Mobasher, H. Aussel, P. Capak, C. Carilli, R.S. Ellis, B. Garilli, M. Giavalisco, L. Guzzo, G. Hasinger, C. Impey, M.G. Kitzbichler, A. Koekemoer, O. Le Fèvre, S.J. Lilly, D. Maccagni, A. Renzini, M. Rich, D.B. Sanders, E. Schinnerer, M. Scodreggio, P. Shopbell, V. Smolčić, S. Tribiano, Y. Ideue and S. Mihara: The [O II] $\lambda 3727$ Luminosity Function and Star Formation Rate at $z \sim 1.2$ in the COSMOS 2 Square Degree Field and the Subaru Deep Field. *Ap. J. Supp. Ser.* 172, 456-467 (2007).
- Takei, Y., J.P. Henry, A. Finoguenov, K. Mitsuda, T. Tamura, R. Fujimoto and U.G. Briel: Warm-Hot Intergalactic Medium Associated with the Coma Cluster. *Ap. J.* 655, 831-842 (2007).
- Tanaka, M., T. Kodama, M. Kajisawa, R. Bower, R. Demarco, A. Finoguenov, C. Lidman and P. Rosati: A deficit of faint red galaxies in the possible large-scale structures around the RDCS J1252.9-2927 cluster at $z = 1.24$. *Mon. Not. R. Astron. Soc.* 377, 1206-1214 (2007).
- Taniguchi, Y., N. Scoville, T. Murayama, D.B. Sanders, B. Mobasher, H. Aussel, P. Capak, M. Ajiki, S. Miyazaki, Y. Komiyama, Y. Shioya, T. Nagao, S.S. Sasaki, J. Koda, C. Carilli, M. Giavalisco, L. Guzzo, G. Hasinger, C. Impey, O. Le Fèvre, S. Lilly, A. Renzini, M. Rich, E. Schinnerer, P. Shopbell, N. Kaifu, H. Karoji, N. Arimoto, S. Okamura and K. Ohta: The Cosmic Evolution Survey (COSMOS): Subaru Observations of the HST Cosmos Field. *Ap. J. Supp. Ser.* 172, 9-28 (2007).
- Tapken, C., I. Appenzeller, S. Noll, S. Richling, J. Heidt, E. Meinkohn and D. Mehlert: Ly α emission in high-redshift galaxies. *Astron. Astrophys.* 467, 1, 63-72 (2007).
- Thatte, N., R. Abuter, M. Tecza, E.L. Nielsen, F.J. Clarke and L.M. Close: Very high contrast integral field spectroscopy of AB Doradus C: 9-mag contrast at 0.2 arcsec without a coronagraph using spectral deconvolution. *Mon. Not. R. Astron. Soc.* 378, 4, 1229-1236 (2007).
- Thoene, C.C., J. Greiner, S. Savaglio and E. Jehin: ISM Studies of GRB 030329 with High Resolution Spectroscopy. *Ap. J.* 671, 628-636 (2007).
- Thomas, J., R. Jesseit, T. Naab, R.P. Saglia, A. Burkert and R. Bender: Axisymmetric orbit models of N-body merger remnants: a dependency of reconstructed mass on viewing angle. *Mon. Not. R. Astron. Soc.* 381, 1672-1696 (2007).
- Thomas, J., R.P. Saglia, R. Bender, D. Thomas, K. Gebhardt, J. Magorrian, E.M. Corsini and G. Wegner: Dynamical modelling of luminous and dark matter in 17 Coma early-type galaxies. *Mon. Not. R. Astron. Soc.* 382, 657-684 (2007).
- Toft, S., P.G. van Dokkum, M. Franx, I. Labbé, N.M. Förster Schreiber, S. Wuyts, T. Webb, G. Rudnick, A. Zirm, M. Kriek, P. van der Werf, J. Blakeslee, G. Illingworth, H.-W. Rix, C. Papovich and A.F.M. Moorwood: HST and Spitzer imaging of red and blue galaxies at $z \sim 2.5$: A correlation between size and star formation activity from compact quiescent galaxies to extended star-forming galaxies. *Ap. J.* 671, doi:10.1086/521810, 285-302 (2007).
- Tombesi, F., B. De Marco, K. Iwasawa, M. Cappi, M. Dadina, G. Ponti, G. Miniutti and G. G. C. Palumbo: Correlated modulation between the redshifted Fe K α line and the continuum emission in NGC 3783. *Astron. Astrophys.* 467, 3, 1057-1063 (2007).
- Trinchieri, G., D. Breitschwerdt, W. Pietsch, J. Sulentic and A. Wolter: Evidence of unrelaxed IGM around IC 1262. *Astron. Astrophys.* 463, 153-164 (2007).
- Trippe, S., T. Paumard, T. Ott, S. Gillessen, F. Eisenhauer, F. Martins and R. Genzel: A polarized infrared flare from Sagittarius A* and the signatures of orbiting plasma hotspots. *Mon. Not. R. Astron. Soc.* 375, 764-772 (2007).
- Trixler, F., T. Markert, M. Lackinger, F. Jamitzky and W.M. Heckl: Supramolecular self-assembly initiated by solid-solid wetting. *Chemistry-A European Journal* 13, 27, 7785-7790 (2007).
- Trump, J.R., C.D. Impey, P.J. McCarthy, M. Elvis, J.P. Huchra, M. Brusa, G. Hasinger, E. Schinnerer, P. Capak, S.J. Lilly and N.Z. Scoville: Magellan Spectroscopy of AGN Candidates in the COSMOS Field. *Ap. J. Supp. Ser.* 172, 383-395 (2007).
- Tsytovich, V. and G. Morfill: Dispersion of dust acoustic modes and perturbations of plasma flux balance. *Contributions to Plasma Physics* 47, 3, 157-164 (2007).
- Tsytovich, V.N., G.E. Morfill, V.E. Fortov, N.G. Gusein-Zade, B.A. Klumov and S.V. Vladimirov: From plasma crystals and helical structures towards inorganic living matter. *New J. Phys.* 9, 263 (2007).
- Valiante, E., D. Lutz, E. Sturm, R. Genzel, L.J. Tacconi, M.D. Lehnert and A.J. Baker: A Mid-Infrared Spectroscopic Study of Submillimeter Galaxies: Luminous Starbursts at High Redshift. *Ap. J.* 660, 1060-1071 (2007).
- Vedin, J., K. Rönmark, C. Bunescu and O. Marghitu: Estimating properties of concentrated parallel electric fields from electron velocity distributions. *Geophys. Res. Lett.* 34, 16107 (2007).
- Verma, A., M.D. Lehnert, N.M. Förster Schreiber, M.N. Bremer and L. Douglas: Lyman-break galaxies at $z \sim 5$ - I. First significant stellar mass assembly in galaxies that are not simply $z \sim 3$ LBGs at higher redshift. *Mon. Not. R.*

- Astron. Soc. 377, 1024-1042 (2007).
- Volwerk, M., K. Khurana and M. Kivelson: Europa's Alfvén wing: shrinkage and displacement influenced by an induced magnetic field. *Ann. Geophysicae* 25, 4, 905-914 (2007).
- Volwerk, M., K.-H. Glassmeier, R. Nakamura, T. Takada, W. Baumjohann, B. Klecker, H. Rème, T.L. Zhang, E. Lucek and C.M. Carr: Flow burst-induced Kelvin-Helmholtz waves in the terrestrial magnetotail. *Geophys. Res. Lett.* 34, 10102 (2007).
- Vörös, Z., W. Baumjohann, R. Nakamura, A. Runov, M. Volwerk, T. Takada, E.A. Lucek and H. Rème: Spatial structure of plasma flow associated turbulence in the Earth's plasma sheet. *Ann. Geophysicae* 25, 1, 13-17 (2007).
- Vörös, Z., W. Baumjohann, R. Nakamura, A. Runov, M. Volwerk, Y. Asano, D. Jankovicova, E.A. Lucek and H. Rème: Spectral scaling in the turbulent Earth's plasma sheet revisited. *Nonlinear Processes in Geophysics* 14, 4, 535-541 (2007).
- 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 GRB060418. Conclusive evidence for UV pumping from the time evolution of Fe II and Ni II excited- and metastable-level populations. *Astron. Astrophys.* 468, 83-96 (2007).
- Wang, J., M.W. Dunlop, Z.Y. Pu, X.Z. Zhou, X. G. Zhang, Y. Wei, S.Y. Fu, C.J. Xiao, A. Fazakerley, H. Laakso, M.G.G.T. Taylor, Y. Bogdanova, F. Pitout, J. Davies, Q.G. Zong, C. Shen, Z.X. Liu, C. Carr, C. Perry, H. Rème, I. Dandouras, P. Escoubet and C.J. Owen: TC1 and Cluster observation of an FTE on 4 January 2005: a close conjunction. *Geophys. Res. Lett.* 34, 3, Seq. No.: L03106 (2007).
- Wang, J.X., P. Jiang, Z.Y. Zheng, P. Tozzi, C. Norman, R. Giacconi, R. Gilli, G. Hasinger, L. Kewley, V. Mainieri, M. Nonino, P. Rosati, A. Streblyanska, G. Szokoly, A. Zirm and W. Zheng: Most Hard-X-Ray-Selected Quasars in the Chandra Deep Fields are Obscured. *Ap. J.* 657, 95-101 (2007).
- Wang, W., M.J. Harris, R. Diehl, H. Halloin, B. Cordier, A.W. Strong, K. Kretschmer, J. Knödlseider, P. Jean, G.G. Lichti, J.P. Roques, S. Schanne, A. von Kienlin, G. Weidenspointner and C. Wunderer: SPI observations of the diffuse 60Fe emission in the Galaxy. *Astron. Astrophys.* 469, 1005-1012 (2007).
- Wang, X., M. Horányi, Z. Sternovsky, S. Robertson and G.E. Morfill: A laboratory model of the lunar surface potential near boundaries between sunlit and shadowed regions. *Geophys. Res. Lett.* 34, 16104 (2007).
- Werner, N., H. Böhringer, J.S. Kaastra, J. de Plaa, A. Simionescu and J. Vink: XMM-Newton high-resolution spectroscopy reveals the chemical evolution of M87. *Astron. Astrophys.* 459, 353-360 (2007).
- Werner, N., E. Churazov, A. Finoguenov, M. Markevitch, R. Burenin, J.S. Kaastra and H. Böhringer: Complex X-ray morphology of Abell 3128: a distant cluster behind a disturbed cluster. *Astron. Astrophys.* 474, 707-716 (2007).
- Wiersema, K., S. Savaglio, P.M. Vreeswijk, S.L. Ellison, C. Ledoux, S.-C. Yoon, P. Møller, J. Sollerman, J.P.U. Fynbo, E. Pian, R.L.C. Starling and R.A.M.J. Wijers: The nature of the dwarf starforming galaxy associated with GRB 060218/SN 2006aj. *Astron. Astrophys.* 464, 529-539 (2007).
- Wild, V., G. Kauffmann, T. Heckman, S. Charlot, G. Lemson, J. Brinchmann, T. Reichard and A. Pasquali: Bursty stellar populations and obscured active galactic nuclei in galaxy bulges. *Mon. Not. R. Astron. Soc.* 381, 543-572 (2007).
- Williams, B.F., R. Ciardullo, P.R. Durrell, J.J. Feldmeier, S. Sigurdsson, M. Vinciguerra, G.H. Jacoby, T. von Hippel, H.C. Ferguson, N.R. Tanvir, M. Arnaboldi, O. Gerhard, J.A.L. Aguerri and K.C. Freeman: Virgo's Intracluster Globular Clusters as Seen by the Advanced Camera for Surveys. *Ap. J.* 654, 835-843 (2007).
- Williams, B.F., R. Ciardullo, P.R. Durrell, M. Vinciguerra, J.J. Feldmeier, G.H. Jacoby, S. Sigurdsson, T. von Hippel, H.C. Ferguson, N.R. Tanvir, M. Arnaboldi, O. Gerhard, J.A.L. Aguerri and K. Freeman: The Metallicity Distribution of Intracluster Stars in Virgo. *Ap. J.* 656, 756-769 (2007).
- Wuyts, S., I. Labbé, M. Franx, G. Rudnick, P.G. van Dokkum, G.G. Fazio, N.M. Förster Schreiber, J. Huang, A.F.M. Moorwood, H.-W. Rix, H. Röttgering and P. van der Werf: What Do We Learn from IRAC Observations of Galaxies at $2 < z < 3.5$? *Ap. J.* 655, 51-65 (2007).
- Xu, D., S. Komossa, H. Zhou, T. Wang and J. Wei: The Narrow-Line Region of Narrow-Line and Broad-Line Type 1 Active Galactic Nuclei. I. A Zone of Avoidance in Density. *Ap. J.* 670, 60-73 (2007).
- Yamauchi, S., K. Ebisawa, A. Bamba, M. Ishida, K. Iwasawa, Y. Tanaka, M. Kokubun, K. Koyama, H. Takahashi and Y. Tsuboi: Discovery of a new X-ray transient source in the Scutum region with Suzaku. *Publ. Astron. Soc. Jpn.* 59, SPI, S215-S220 (2007).
- Yaroshenko, V.V., F. Verheest and G.E. Morfill: Dust-acoustic waves in collisional dusty plasmas of planetary rings. *Astron. Astrophys.* 461, 385-391 (2007).
- Yaroshenko, V.V., H.M. Thomas and G.E. Morfill: Dust density waves in a complex plasma layer. *Phys. Plasmas* 14, 2104 (2007).
- Yordanova, E., D. Sundkvist, S.C. Buchert, M. Andre, Y. Ogawa, M. Morooka, O. Marghitsu, O. Amm, A.N. Fazakerley and H. Rème: "Energy input from the exterior cusp into the ionosphere: Correlated ground-based and satellite observations", *Geophys. Res. Lett.*, 34, L04102, doi:10.1029/2006GL028617, 2007.
- Zhang, Y.-Y., A. Finoguenov, H. Böhringer, J.-P. Kneib, G.P. Smith, O. Czoske and G. Soucail: Scaling relations and mass calibration of the X-ray luminous galaxy clusters at redshift ~ 0.2 : XMM-Newton observations. *Astron. Astrophys.* 467, 437-457 (2007).
- Zhang, T.L., M. Delva, W. Baumjohann, H.-U. Auster, C. Carr, C.T. Russell, S. Barabash, M. Balikhin, K. Kudela, G. Berghofer, H.K. Biernat, H. Lammer, H. Lichtenegger, W. Magnes, R. Nakamura, K. Schwingenschuh, M. Volwerk,

- Z. Vörös, W. Zambelli, K.-H. Fornaçon, K.-H. Glassmeier, I. Richter, A. Balogh, H. Schwarzl, S.A. Pope, J.K. Shi, C. Wang, U. Motschmann and J.-P. Lebreton: Little or no solar wind enters Venus' atmosphere at solar minimum, *Nature* 450, pp. 654-656 (2007).
- Zhou, H., T. Wang, W. Yuan, H. Shan, S. Komossa, H. Lu, Y. Liu, D. Xu, J.M. Bai and D.R. Jiang: A Narrow-Line Seyfert 1-Blazar Composite Nucleus in 2MASX J0324+3410. *Ap. J. Lett.* 658, L13-L16 (2007).
- Zibetti, S., B. Ménard, D.B. Nestor, A.M. Quider, S.M. Rao and D.A. Turnshek: Optical Properties and Spatial Distribution of Mg II Absorbers from SDSS Image Stacking. *Ap. J.* 658, 161-184 (2007).
- Zmeskal, J., M. Bazzi, G. Beer, L. Bombelli, A.M. Bragadirean, M. Cagnelli, M. Catitti, C. Curceanu(Petrascu), C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, M. Iliescu, T. Ishiwatari, P. Kienle, P. Lechner, P. Levi Sandri, V. Lucherini, A. Longoni, J. Marton, D. Pietreanu, T. Ponta, D.L. Sirghi, F. Sirghi, H. Soltau, L. Strüder and E. Widmann: Experimental studies on kaonic atoms at DA Φ NE. *Nucl. Phys. (A)*: 790, 667-670 (2007).
- Zuther, J., C. Iserlohe, J.-U. Pott, T. Bertram, S. Fischer, W. Voges, G. Hasinger and A. Eckart: Mrk 609: resolving the circumnuclear structure with near-infrared integral field spectroscopy. *Astron. Astrophys.* 466, 451-466 (2007).

Refereed Proceedings

- Balestra, I., P. Tozzi, S. Etori, P. Rosati, S. Borgani, V. Mainieri and C. Norman: Evolution in the iron abundance of the ICM. In: *Progress of Theoretical Physics Supplement*, 169, 49-52, (2007).
- Bauer, M., W. Pietsch, G. Trinchieri, D. Breitschwerdt, M. Ehle and A. Read: The nuclear outflow of the starburst galaxy NGC 253 with XMM-Newton. In: *Progress of Theoretical Physics Supplement*, 169, 61-64 (2007).
- Becker, W., J. Gil and B. Rudak: On the present and future of pulsar astronomy, IAU XXVI General Assembly, 2006. Cambridge, *Highlights of Astronomy 14*, Cambridge University Press, 109-138 (2007).
- Boller, T.: AGN science learned from previous missions: issues for the coming decade. In: *Progress of Theoretical Physics Supplement*, 169, 265-268 (2007).
- Bomans, D.J., J. van Eymeren, R.-J. Dettmar, K. Weis and U. Hopp: Galactic winds in dwarf galaxies. *New Astronomy Review* 51, 141-145 (2007).
- Bouché, N., M.T. Murphy, C. Péroux, I. Csabai and V. Wild: Are strong Mg II absorbers the signature of outflows?. *New Astronomy Review* 51, 131-134 (2007).
- Burwitz, V., K. Reinsch, J. Greiner, T. Rauch, V. Suleimanov, F.W. Walter, R.E. Mennickent and P. Predehl: First high-resolution Chandra LETGS spectrum of the transient supersoft X-ray source RX J0513.9-6951. *Adv. Space Res.* 40, 1294-1298 (2007).
- Castoldi, A., C. Guazzoni, R. Hartmann and L. Strüder: Silicon drift detectors development for position sensing. In: *Nuclear Instruments and Methods in Physics Research Section A - Accelerators Spectrometers Detectors and Associated Equipment* 582, 3, 849-853 (2007).
- Chaudhuri, M., A.V. Ivlev, H.M. Thomas, G.E. Morfill, A.M. Lipaev, V.I. Molotkov, O.F. Petrov and V.E. Fortov: Complex Plasma Research Under Microgravity. In: *Proceedings of 58th International Astronautical Congress*, Hyderabad, India, 2007. (Eds.) M. Dejmeç, F. Gonzalez, B. Zappoli. *58th International Astronautical Congress Proceedings IAC-07*, International Astronautical Federation, Hyderabad, India, A2.1.01-01-A2.1.01-09 (2007).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Characterization of the electrostatic potential behind an absorbing dust particle in highly collisional drifting plasma. In: *Proceedings of "The 34th EPS Conference on Plasma Physics"*, Warsaw (Poland), 2007. (Eds.) P. Gasiór, J. Wolowski, R.M. Pick, P. Helfenstein. *34th EPS Conference on Plasma Physics Proceedings 31F*, European Physical Society, Warsaw, P-4.132: 1-P-4.132: 4 (2007).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Effect of plasma absorption on the total force acting on a dust grain in highly collisional drifting plasma. In: *Proceedings of "The 34th EPS Conference on Plasma Physics"*, Warsaw (Poland), 2007. (Eds.) P. Gasiór, J. Wolowski, R. M. Pick, P. Helfenstein. *34th EPS Conference on Plasma Physics Proceedings 31F*, European Physical Society, Warsaw, O-2.017: 1-O-2.017: 4 (2007).
- Collmar, W., M. Boettcher, T. Krichbaum, E. Bottacini, V. Burwitz, A. Cucchiara, D. Grupe, M. Gurwell, P. Kretschmar, K. Pottschmidt, M. Bremer, S. Leon, H. Ungerechts, P. Giommi and M. Capalbi: Multifrequency Observations of the Blazar 3C 279 in January 2006. In: *Proceedings of the 6th INTEGRAL workshop "The Obscured Universe"*, Moscow (Russia) 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP 622*, ESA, Noordwijk, 207-210 (2007).
- Comastri, A., R. Gilli, C. Vignali, G. Matt, F. Fiore and K. Iwasawa: Compton thick AGN in the Suzaku era. In: *Progress of Theoretical Physics Supplement*, 169, 274-277 (2007).
- Diehl, R., H. Halloin, K. Kretschmer, G.G. Lichti, V. Schönfelder, A.W. Strong, A. von Kienlin, W. Wang, P. Jean, J. Knödseder, J.-P. Roques, G. Weidenspointner, S. Schanne, C. Winkler and C. Wunderer: 26Al gamma-ray line observations of the Galaxy. In: *Proceedings of the 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow (Russia), 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP 622*, ESA Communications Office, Noordwijk, 71-76 (2007).
- Diehl, R., J.-P. Roques, J. Knödseder, A.W. Strong and V. Beckmann: INTEGRAL science results and connections to Suzaku. In: *Progress of Theoretical Physics Supplement*, 169, 299-306 (2007).
- Diehl, R.: Nuclear Astrophysics with Gamma-Ray Line Astronomy. *Proceedings of Science*, PoS(NIC-IX)001 (2007).

- Ebisawa, K., S. Yamauchi, Y. Tanaka, K. Koyama and Suzaku Team: Suzaku spectral study of the galactic ridge X-ray emission. In: *Progress of Theoretical Physics Supplement*, 169, 121-124 (2007).
- Etori, S., P. Tozzi, I. Balestra and A. Morandi: The cluster gas mass fraction as a cosmological probe: a revised study. In: *Progress of Theoretical Physics Supplement*, 169, 37-40 (2007).
- Fujimoto, R., K. Mitsuda, D. McCammon, Y. Takei, M. Bauer, Y. Ishisaki, F.S. Porter, H. Yamaguchi, K. Hayashida and N.Y. Yamasaki: Evidence for solar-wind charge-exchange X-ray emission from the Earth's magnetosheath. In: *Progress of Theoretical Physics Supplement*, 169, 71-74.
- Gilli, R., A. Comastri, C. Vignali and G. Hasinger: Compton-thick AGN and the synthesis of the cosmic X-ray background: the Suzaku perspective. In: *Progress of Theoretical Physics Supplement*, 169 (2007) 286-289 (2007).
- Haberl, F.: The magnificent seven: magnetic fields and surface temperature distributions. *Astrophys. Space Sci.* 308, 181-190 (2007).
- Hanlon, L., S. Foley, S. McBreen, S. McGlynn, and B. McBreen: Gamma-Ray Bursts Detected by INTEGRAL. In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow (Russia), 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. ESA SP-622, 545-552 (2007).
- Hartmann D.H., J. Molgaard, R. Diehl: Tracing Galactic star formation with radioactivities, In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow (Russia), 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. ESA SP-622, 99-104 (2007).
- Hayashida, K., N. Anabuki, L. Gallo, K. Iwasawa, Y. Tanaka, G. Miniutti, A. C. Fabian, J. N. Reeves, T. Yaqoob, T. Okajima, C. Matsumoto, Y. Haba, Y. Terashima, A. Kubota, Y. Ueda and Suzaku Team: Suzaku observation of 1H0707-495: puzzling spectral drop around 7 keV. In: *Progress of Theoretical Physics Supplement*, 169, 269-273 (2007).
- Hui, C.Y. and W. Becker: An X-ray Study of the Central Compact Object in Puppis-A, *ASPC vol 362* page 168-169 (2007).
- Jean, P., G. Weidenspointner, J. Knödseder, G.K. Skinner, P. von Ballmoos, J.-P. Roques, G. Vedrenne, R. Diehl, A. Strong, B. Cordier, S. Schanne, B. Teegarden, and C. Winkler: Spectral Analysis of the Galactic Positron Annihilation Emission. In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow (Russia), 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. ESA SP-622, 33-39 (2007).
- Knödseder J., G. Weidenspointner, P. Jean, R. Diehl, A.W. Strong, H. Halloin, B. Cordier, S. Schanne, and C. Winkler: Imaging the gamma-ray sky with SPI aboard INTEGRAL. In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow (Russia), 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. ESA SP-622, 13-24 (2007).
- Kokubun, M., T. Yuasa, K. Tamura, K. Makishima, T. Takahashi, K. Nakazawa, N.Y. Yamasaki, H. Murakami, Y. Maeda, K. Ebisawa, K. Koyama, S. Yamauchi, Y. Fukazawa, T. Mizuno, H. Takahashi, A. Bamba, A. Senda, Y. Tanaka, T. Kamae and Suzaku GC Team: Hard X-ray investigation of the galactic center region with Suzaku. In: *Progress of Theoretical Physics Supplement*, 169, 109-112 (2007).
- Maeda, Y., M. Ebara, R. Fujimoto, T. Hayashi, H. Inoue, Y. Ishisaki, H. Mori, S. Okada, K. Suzuki, Y. Uchiyama, P. J. Serlemitsos, Y. Soong, K.-W. Chan, T. Okajima, J. P. Lehan, K. Itoh, A. Itoh, Y. Yokoyama, Y. Itoh, R. Nakamura, M. Ishida, A. Hayakawa, C. Inoue, S. Okuma, R. Kubota, M. Suzuki, T. Osawa, K. Yamashita, H. Kunieda, Y. Tawara, Y. Ogasaka, A. Furuzawa, K. Tamura, R. Shibata, Y. Haba, M. Naitou, K. Misaki and R. Iizuka: On-orbit performance of the X-ray telescopes and thermal wobbling of the Suzaku satellite. In: *Progress of Theoretical Physics Supplement*, 169, 322-325 (2007).
- McBreen, S., L. Hanlon, S. McGlynn, S. Foley, B. McBreen, A. von Kienlin, and J. French: Observations of GRB041219a with the Spectrometer on INTEGRAL. In: *Proceedings of the 6th INTEGRAL Workshop "The Obscured Universe"*. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. ESA SP-622, 569-576 (2007).
- Miniutti, G., A. C. Fabian, J. Crummy, J. Larsson, N. Anabuki, Y. Fukazawa, L. C. Gallo, Y. Haba, K. Hayashida, S. Holt, H. Kunieda, A. Markowitz, C. Matsumoto, M. Ohno, J. N. Reeves, T. Takahashi, Y. Tanaka, Y. Terashima, K. Torii, Y. Ueda, M. Ushio, S. Watanabe, M. Yamauchi and T. Yaqoob: The long Suzaku observation of MCG-6-30-15. In: *Progress of Theoretical Physics Supplement*, 169, 260-264 (2007).
- Mitsuda, K., R. Fujimoto, N.Y. Yamasaki, T. Yoshino, T. Hagihara, K. Masui, M. Bauer, Y. Takei, D. McCammon, Q.D. Wang and Y. Yao: Suzaku/Chandra emission/absorption line observations of hot gas in and around our galaxy. In: *Progress of Theoretical Physics Supplement*, 169, 79-83 (2007).
- Monetti, R.A., J. Bauer, D. Mueller, E. Rummeny, M. Matsuura, F. Eckstein, T. Link and C. Raeth: Application of the scaling index method to μ CT images of human trabecular bone for the characterization of biomechanical strength. In: *Medical Imaging 2007: Image Processing*, (Eds.) J.M. Reinhardt; J.P.W. Pluim. SPIE Proceedings Series 6512. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA 65124H-1-65124H-10 (2007).
- Moskalenko, I. V., S. W. Digel, T. A. Porter, O. Reimer and A. W. Strong: Understanding limitations in the determination of the diffuse galactic γ -ray emission. In: *Nuclear Physics B (Proceedings Supplements)* 173, 44-47 (2007).
- Motch, C., A.M. Pires, F. Haberl and A. Schwobe: Measuring proper motions of isolated neutron stars with Chandra. *Astrophys. Space Sci.* 308, 217-224 (2007).
- Müller, A.: Experimental Evidence of Black Holes. *Proceedings of the School on Particle Physics, Gravity and Cosmology, Dubrovnik (Croatia) 2006*. (Eds.) L. Bonora, S. Fajfer, R. Iengo, D. Klabucar, S. Pallua, I. Picek. *Proceedings of Science (P2GC) 017* (2007).

- Orlando, E. and A.W. Strong: Gamma rays from halos around stars and the Sun. *Astrophys. Space Sci.* 309, 359-363 (2007).
- Posselt, B., S.B. Popov, F. Haberl, J. Trümper, R. Turolla and R. Neuhäuser: The magnificent seven in the dusty prairie - The role of interstellar absorption on the observed neutron star population. *Astrophys. Space Sci.* 308, 171-179 (2007).
- Räth, C., J. Bauer, D. Müller, E. Rummeny, T. Link, S. Majumdar, F. Eckstein and R. Monetti: Analyzing μ CT images of bone specimen with wavelets and scaling indices: Which texture measure does better to depict the trabecular bone structure?. In: *Medical Imaging 2007: Image Processing*. (Eds.) J. Pluim, J. Reinhardt. *Medical Imaging 2007: Image Processing. Proceedings of the SPIE Vol. 6512*, SPIE, Bellingham, WA, 651242B (2007).
- Reiprich, T.H., D.S. Hudson, O.-E. Neneštyan, K. Sato, Y. Ishisaki, A. Hoshino, T. Ohashi, Y. Fujita and G. Hasinger: Suzaku observation of Abell 2204: galaxy cluster gas temperature measurement up to the virial radius. In: *Progress of Theoretical Physics Supplement* 169 33-36 (2007).
- Sala, G., J. Greiner, E. Bottacini and F. Haberl: The black-hole candidate XTE J1817-330 as seen by XMM-Newton and INTEGRAL. *Astrophys. Space Sci.* 309, doi:10.1007/s10509-007-9471-2, 315-319 (2007).
- Schanne, S., D. Götz, L. Gerard, P. Sizun, M. Falanga, C. Hamadache, B. Cordier, A. von Kienlin: INTEGRAL Observations of the Vela Region Focusing on Vela X-1. In: *Proceedings of the 6th INTEGRAL Workshop "The Obscured Universe"*. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP-622*, 479-482 (2007).
- Schanne, S., P. Sizun, D. Maurin, B. Cordier, A. von Kienlin, C. Hamadache: Evidence for 1809 keV Gamma-Ray Emission from ^{26}Al Decays in the Vela Region with INTEGRAL/SPI. In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP-622*, 113-116 (2007).
- Schwöpe, A.D., V. Hambaryan, F. Haberl and C. Motch: The complex X-ray spectrum of the isolated neutron star RBS1223. *Astrophys. Space Sci.* 308, 619-623 (2007).
- Shimizu, S., T. Shimizu, B.M. Annaratone, W. Jacob, C. Linsmeier, S. Lindig, R.W. Stark, F. Jamitzky, H. Thomas, N. Sato and G.E. Morfill: The approach to diamond growth on levitating seed particles. *Appl. Surface Sci.* 254, 177-180 (2007).
- Slowikowska, A., G. Kanbach, J. Borkowski and W. Becker: INTEGRAL observations of PSR B0540-69, *Proceedings of the 363. WE-Heraeus Seminar on: Neutron Stars and Pulsars*. Physikzentrum Bad Honnef, Germany, 2006, (Eds.) W. Becker, H.H. Huang, *MPE Report* 291, 44-51 (2007).
- Strong, A.W.: Source population synthesis and the Galactic diffuse gamma-ray emission. *Astrophys. Space Sci.* 309, 35-41 (2007).
- Thoma, M.H., M.A. Fink, H. Höfner, M. Kretschmer, S.A. Khrapak, S.V. Ratynskaia, V. Yaroshenko, G.E. Morfill, O.F. Petrov, A.D. Usachev, A.V. Zobnin and V.E. Fortov: PK-4: Complex Plasmas in Space - the next Generation. In: *Proceedings of the 11th Workshop on the Physics of Dusty Plasmas*, Williamsburg, USA, 2006. *IEEE Trans. Plasma Sci. Vol. 35*, 255-258 (2007).
- Torres, D.F., S. Zhang, O. Reimer, X. Barcons, A. Corral, V. Bosch-Ramon, J.M. Paredes, G.E. Romero, J. Qu, W. Collmar, V. Schönfelder and Y. Butt: INTEGRAL/XMM views on the MeV source GRO J1411-64. *Astrophys. Space Sci.* 309, 17-21 (2007).
- Wang W., M.J. Harris, R. Diehl, H. Halloin, A.W. Strong, K. Kretschmer: ^{60}Fe studies with INTEGRAL's spectrometer SPI. In: *Proc. 6th INTEGRAL Workshop "The Obscured Universe"*. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP-622*, 77-82 (2007).
- Weidenspointner, G., J. Knödlseider, P. Jean, G.K. Skinner, J.-P. Roques, G. Vedrenne, P. Milne, B.J. Teegarden, R. Diehl, A.W. Strong, S. Schanne, B. Cordier, and C. Winkler: The sky distribution of 511 keV positron annihilation line emission as measured with INTEGRAL/SPI. In: *Proceedings of the 6th INTEGRAL Workshop "The Obscured Universe"*, Moscow, Russia, 2006. (Eds.) S. Grebenev, R. Sunyaev, C. Winkler. *ESA SP-622*, 25-32 (2007).
- Zhang, S. and W. Collmar: Evidence for a new MeV source observed by the COMPTEL experiment aboard CGRO. *Astrophys. Space Sci.* 309, 23-27 (2007).

Instrumental Publications

- Alberti, R., S. Buzzetti, C. Fiorini, C. Guazzoni, T. Klatka, P. Lechner, A. Longoni and L. Strüder: Performance evaluation of an advanced XRF elemental mapping system featuring a novel ring-shaped monolithic array of silicon diffractometers. *IEEE Transactions on Nuclear Science* 54, 3 Part 2, 751-757 (2007).
- Auster, H.U., I. Apathy, G. Berghofer, A. Remizov, R. Roll, K.H. Fornaçon, K.-H. Glassmeier, G. Haerendel, I. Hejja, E. Kühr, M. Magnes, D. Moehlmann, U. Motschmann, I. Richter, H. Rosenbauer, C.T. Russell, J. Rustenbach, K. Sauer, K. Schwingenschuh, I. Szemerey and R. Waesch: ROMAP: Rosetta Magnetometer and Plasma Monitor, *Space Science Rev.*, 128, Issue 1-4, 221-240 (2007).
- Basso, S., D. Spiga, G. Pareschi, O. Citterio, G. Malaguti, W. Burkert and M. Freyberg: SIMBOL-X: the problem of the calibrating a 0.5-80 keV 20m focal length focussing telescope. In: *Optics for EUV, X-Ray, and Gamma-Ray Astronomy III*. (Eds.) S.L. O'Dell, G. Pareschi. *Proceedings of SPIE* 6688. SPIE, Bellingham, WA, 66880J-1-66880J-12 (2007).
- Braig, C. and P. Predehl: A diffraction limited dual-band x-ray telescope. In: *Optics for EUV, X-Ray, and Gamma-Ray Astronomy III*. (Eds.) S.L. O'Dell, G. Pareschi. *Proceedings of SPIE* 6688. SPIE, Bellingham, WA, 668808-1-668808-10 (2007).

- Braig, C. and P. Predehl: Efficient Fresnel x-ray optics made simple. *Applied Optics* 46, 14, 2586-2599 (2007).
- Cargnelli, M., T. Ishiwatari, P. Kienle, J. Marton, E. Widmann, J. Zmeskal, G. Beer, A.M. Bragadireanu, T. Ponta, M. Bazzi, M. Catitti, C. Curceanu (Petrascu), C. Guaraido, M. Iliescu, P. Levi Sandri, V. Lucherini, D. Pietreanu, D.L. Sirghi, F. Sirghi, P. Lechner, H. Soltau, L. Bombelli, C. Fiorini, T. Frizz, A. Longoni, F. Ghio, B. Girolami and L. Strüder: Kaonic hydrogen X-rays experiments at DAFNE. *Canadian Journal of Physics* 85, 479-485 (2007).
- Cesca, N., N. Auricchio, G. Di Domenico, G. Zavattini, R. Malaguti, R. Andritschke, G. Kanbach and F. Schopper: SiliPET: Design of an ultra-high resolution small animal PET scanner based on stacks of semi-conductor detectors. *Nuclear Instruments and Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 572, 1, 225-227 (2007).
- Di Domenico, G., G. Zavattini, N. Cesca, N. Auricchio, R. Andritschke, F. Schopper and G. Kanbach: SiliPET: an ultra-high resolution design of a small animal PET scanner based on stacks of double-sided silicon strip detector. *Nuclear Instruments and Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 571, 1-2, 22-25 (2007).
- Gola, A., C. Fiorini, M. Porro and M. Zanchi: The electronics readout and the DAQ system of the DRAGO Anger Camera. *Nuclear Instruments and Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 571, 1-2, 339-342 (2007).
- Jakovcic, K., S. Andriamonje, S. Aune, F. Avignone, K. Barth, A. Belov, B. Beltrán, H. Braeuninger, J.M. Carmona, S. Cebrian, J.I. Collar, T. Dafni, M. Davenport, L. Di Lella, C. Eleftheriadis, G. Fanourakis, E. Ferrer Ribas, H. Fischer, J. Franz, P. Friedrich, T. Geralis, I. Giomataris, S. Gninenko, M.D. Hasinoff, F.H. Heinsiusk, D.H.H. Hoffmann, I.G. Irastorza, J. Jacoby, D. Kang, K. Koenigsmann, R. Kotthaus, M. Krmar, K. Kousouris, M. Kuster, B. Lakic, C. Lasseur, A. Liolios, A. Ljubicic, G. Lutz, G. Luzón, D.W. Miller, A. Morales, J. Morales, A. Ortiz, T. Papaevangelou, A. Placci, G. Raffelt, J. Ruz, H. Riege, Y. Semertzidis, P. Serpico, L. Stewart, J.D. Vieira, J. Villar, J. Vogel, L. Walckiers and K. Zioutas: Prospects for the CERN axion solar telescope sensitivity to 14.4 keV axions. *Nuclear Instruments and Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 580, 1, 37-39 (2007).
- Myers, R.M., D. Bonaccini Calia, N. Devaney, S. Esposito, S.J. Goodsell, A. Goncharov, J.C. Guerra, H. Guillet de Chatellus, M.A. Harrison, R. Holzloehner, E. Marchetti, T.J. Morris, E. Pinna, J.-P. Pique, S. Rabien, M. Reyes, E. Ribak, R.G.M. Rutten, H. Schnetler, M. Strachan, R. Stuik, R.G. Talbot and S.M. Tulloch: The European LGS test facility. *Astronomical Adaptive Optics Systems and Applications III*, (Eds.) R.K. Tyson, M. Lloyd-Hart. *Proceedings of SPIE* 6691. SPIE, Bellingham, WA, 66910Q-1-66910Q-8 (2007).
- Ninkovic, J., R. Eckhart, R. Hartmann, P. Holl, C. Koitsch, G. Lutz, C. Merck, R. Mirzoyan, H.-G. Moser, A.-N. Otte, R. Richter, G. Schaller, F. Schopper, H. Soltau, M. Teshima and G. Valceanu: The avalanche drift diode - A back illumination drift silicon photomultiplier. *Nuclear Instruments and Methods in Physics Research Section A-Accelerators Spectrometers Detectors and Associated Equipment* 580, 2, 1013-1015 (2007).
- Predehl, P., R. Andritschke, W. Bornemann, H. Bräuninger, U. Briel, H. Brunner, W. Burkert, K. Dennerl, J. Eder, M. Freyberg, P. Friedrich, M. Fürmetz, R. Hartmann, G. Hartner, G. Hasinger, S. Herrmann, P. Holl, H. Huber, E. Kendziorra, W. Kink, N. Meidinger, S. Müller, M. Pavlinsky, E. Pfeffermann, C. Rohe, A. Santangelo, J. Schmitt, A. Schwoppe, M. Steinmetz, L. Strüder, R. Sunyaev, L. Tiedemann, M. Vongehr, J. Wilms, M. Erhard, S. Gutruf, D. Jugler, D. Kampf, R. Graue, O. Citterio, G. Valsecci, D. Vernani and M. Zimmermann: eROSITA. UV, X-Ray, and Gamma-Ray Space Instrumentation for Astronomy XV, (Eds.) O.H.W. Siegmund, *Proceedings of SPIE* 6686. SPIE, Bellingham, WA, 668617-1-668617-9 (2007).
- Romaine, S., S. Basso, R.J. Bruni, W. Burkert, O. Citterio, V. Cotroneo, D. Engelhaupt, M.J. Freyberg, P. Gorenstein, M. Gubarev, G. Hartner, F. Mazzoleni, S. O'Dell, G. Pareschi, B. D. Ramsey, C. Speegle and D. Spiga: Development of a prototype nickel optic for the Constellation-X hard X-ray telescope. *Optics for EUV, X-Ray, and Gamma-Ray Astronomy III*. (Eds.) S.L. O'Dell, G. Pareschi. *Proceedings of SPIE* 6688. SPIE, Bellingham, WA, 668804-1-668804-6 (2007).
- Vongehr, M., P. Friedrich, H. Bräuninger, W. Lieb, M. Fürmetz, A. Mazur, K. Veit, P. Ettl and X. Laboureux: Experimental results on slumped glass x-ray mirror segments. *Optics for EUV, X-Ray, and Gamma-Ray Astronomy III*. (Eds.) S.L. O'Dell, G. Pareschi. *Proceedings of SPIE* 6688. SPIE, Bellingham, WA, 66881A-1-66881A-10 (2007).
- Woelfel, S., S. Herrmann, P. Lechner, G. Lutz, M. Porro, R.H. Richter, L. Strüder and J. Treis: A novel way of single optical photon detection: beating the $1/f$ noise limit with ultra high resolution DEPFET-RNDR devices. *IEEE Transactions on Nuclear Science* 54, 4 Part 3, 1311-1318 (2007).

Non-refereed Publications

- Abraham, R.G., P.J. McCarthy, E. Mentuch, K. Glazebrook, P. Nair, J.-R. Gauthier, S. Savaglio, D. Crampton, S. Juneau, R. Murowinski, D. LeBorgne, R.G. Carlberg, I. Jürgensen, K. Roth, H.-W. Chen and R.O. Marzke: When do early-type galaxies form?. In Proc. of "235th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) F. Combes and J. Palous. Proc. IAU 235, Cambridge University Press, Cambridge, UK, 345-349 (2007).
- Abreu, D., M. Balcells, C.E. Garcia-Dabó, M. Prieto, P. Erwin and M.C. Eliche-Moral: GOYA Ks-selected galaxy catalog $0 < z < 5$. In: First Light Science with the GTC. (Eds.) R. Guzmán, C. Packham, J.M. Rodríguez Espinosa, S. Torres-Peimbert. Revista mexicana de astronomia y astrofisica: serie de conferencias 29. UNAM, Mexico, 165-166 (2007).
- Ajello, M., J. Greiner, A. Rau, G. Kanbach, A.W. Strong, J. Tueller, C.B. Markwardt, R.F. Mushotzky, S.D. Barthelmy and N. Gehrels: Application of maximum likelihood method to the Swift/BAT hard X-ray survey: preliminary results. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, CA, USA, 163-166 (2007).
- Antonova, T., B.M. Annaratone, H.M. Thomas and G.E. Morfill: Analysis of the particle vibrations in 3D plasma clusters. In: Proceedings of XXVIII International Conference in Ionized Gases. (Eds.) J. Schmidt, M. Simek, S. Pekarek, V. Prukner. Electronic Proceedings of XXVIII International Conference in Ionized Gases, 2007, Prague, Czech Republic Vol. 1, Institute of Plasma Physics AS CR, Prague, Czech Republic, 2237 (2007).
- Antonova, T., B.M. Annaratone, H.M. Thomas and G.E. Morfill: The structure and dynamical processes in small 3D crystals. In: Proceedings of 2nd International Conference on the Physics of Dusty and Burning Plasmas. Vol. 1, Odessa, 13-15 (2007).
- Aschenbach, B.: Grazing incidence reflection and scattering of MeV protons. In: Proceedings of Optics for EUV, X-Ray, and Gamma-Ray Astronomy III. (Eds.) S.L. O'Dell, G. Pareschi. SPIE Conference Proceedings Vol. 6688, SPIE, San Diego, USA, 2006, 66880I-1-66880I-7 (2007).
- Aschenbach, B.: X-ray Evolution of SN 1987A. In: Proceedings of Supernova 1987A: 20 Years After, Aspen (USA) 2007, (Eds.) S. Immler, R. McCray, K. Weiler. AIP Conference Proceedings Vol. 937, American Institute of Physics, Aspen, Co, USA, 33-42 (2007).
- Balestra, I., P. Tozzi, S. Ettori, P. Rosati, S. Borgani, V. Mainieri and C. Norman: Tracing the evolution in the iron content of the ICM. In: Heating versus Cooling in Galaxies and Clusters of Galaxies ESO Astrophysics Symposia. Springer, Berlin, Germany, 297-302 (2007).
- Bamford, S.P., A. Aragón-Salamanca and B. Milvang-Jensen: The evolution on disk galaxies in clusters and the field. In: Island Universes - Structure and Evolution of Disk Galaxies, (Eds.) De Jong, R. S. Astrophysics and Space Science Proceedings. Springer, Dordrecht, The Netherlands, 519-522 (2007).
- Beckman, J., L. Gutiérrez, R. Aladro, P. Erwin and M. Pohlen: The edges of the stellar populations of early type spirals as probed by their radial brightness profiles. In: Stellar Populations as Building Blocks of Galaxies, (Eds.) A. Vazdekis, R. Peletier. IAU Symposium and Colloquium Proceedings Series IAU Symposium 241. Cambridge University Press, Cambridge, UK, 495-496 (2007).
- Beifiori, A., E.M. Corsini, E. Dalla Bontá, A. Pizzella, L. Coccato, M. Sarzi and F. Bertola: Upper limits on the mass of supermassive black holes from HST/STIS archival data. Memorie della Societa Astronomica Italiana 78, 761-762 (2007).
- Bennert, N., B. Jungwiert, S. Komossa, M. Haas and R. Chini: Properties of the Narrow-line Region in Seyfert Galaxies. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 521 (2007).
- Beuermann, K., V. Burwitz and T. Rauch: Establishing HZ 43 A, Sirius B, and RX J1856-37 as Soft X-ray Standards: a Cross-Calibration between the Chandra LETGS, the EUVE Spectrometer, and the ROSAT PSPC. In: Proc. of "15th European Workshop on White Dwarfs", Leicester, UK, 2006. (Eds.) R. Napiwotzki and M.R. Burleigh. ASP Conf. Ser. 372, Astronomical Society of the Pacific, San Francisco, USA, 221 (2007).
- Bhat, P.N., M. Briggs, V. Connaughton, R. Diehl, G. Fishman, J. Greiner, R.M. Kippen, A. von Kienlin, C. Kouveliotou, G. Lichti, C. Meegan, W. Paciesas, S. Persyn, R. Preece, H. Steinle and C. Wilson-Hodge: GLAST Burst Monitor Signal Processing System. In: Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 524-525 (2007).
- Böhringer, H.: Cosmological tests with galaxy clusters. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 289-294 (2007).
- Boller, T. and L. Gallo: New frontiers in AGN astrophysics: the X-ray perspective. In: Exploring the Cosmic Frontier: Astrophysical Instruments for the 21st Century, (Eds.) A.P. Lobanov, J.A. Zensus, C. Cesarsky, P.J. Diamond. ESO Astrophysics Symposia. Springer, Berlin, Germany, 163-166 (2007).
- Bouché, N., M. Murphy, C. Péroux, I. Csabai and V. Wild: Are strong $z=0.5$ MgII absorbers the signature of superwinds?. In Proc. of "235th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) F. Combes and J. Palous. Proc. IAU 235, Cambridge University Press, Cambridge, UK, 392-393 (2007).
- Bremer, M.N. and M.D. Lehnert: Distant galaxies and extremely large telescopes. In: Exploring the Cosmic

- Frontier: Astrophysical Instruments for the 21st Century, (Eds.) Lobanov A.P. Lobanov, J.A. Zensus, C. Cesarsky, P.J. Diamond. ESO Astrophysics Symposia. Springer, Berlin, Germany, 125-128 (2007).
- Briggs, M.S., V. Connaughton, W. Paciesas, R. Preece, C.A. Meegan, G. Fishman, C. Kouveliotou, C. Wilson-Hodge, R. Diehl, J. Greiner, A. von Kienlin, G. Lichti, H. Steinle and R.M. Kippen: GLAST Burst Monitor On-Board Triggering, Locations and Event Classification. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 450-451 (2007).
- Brusa, M., F. Civano, A. Comastri and R. Gilli: The power of stacking X-ray spectroscopy in deep Chandra fields. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 167-170 (2007).
- Brusa, M., V. Mainieri and G. Hasinger: The optical and X-ray properties of AGN in COSMOS. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy, (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 197-201 (2007).
- Cappelluti, N., G. Hasinger, M. Brusa, A. Comastri, G. Zamorani, H. Böhringer, H. Brunner, F. Civano, A. Finoguenov, F. Fiore, R. Gilli, R.E. Griffiths, V. Mainieri, I. Matute, T. Miyaji and J. Silverman: X-ray source counts in the XMM-COSMOS survey. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys. (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 171-174 (2007).
- Cappelluti, N., H. Böhringer, P. Schuecker, E. Pierpaoli, C.R. Mullis, I.M. Gioia and J.P. Henry: The 3D soft X-ray cluster-AGN cross-correlation function in the ROSAT NEP survey. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys. (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 175-178 (2007).
- Chen, Y., T. H. Reiprich, H. Böhringer and Y. Ikebe: Statistics of X-ray observables of cooling core and non-cooling core clusters of galaxies. In: Heating versus Cooling in Galaxies and Clusters of Galaxies. ESO Astrophysics Symposia. Springer, Berlin, Germany, 30-32 (2007).
- Cignoni, M., V. Ripepi, M. Marconi, J. M. Alcalá, M. Capaccioli, M. Pannella and R. Silvotti: Reconstructing the spatial distribution of the galactic stellar halo. In: Stellar Populations as Building Blocks of Galaxies. (Eds.) A. Vazdekis, R. Peletier. IAU Symposium and Colloquium Proceedings Series IAU Symposium 241. Cambridge University Press, Cambridge, UK, 237-238 (2007).
- Coccatto, L., E.M. Corsini, A. Pizzella and F. Bertola: Integral Field Spectroscopy of NGC2855 and NGC7049. In: Structure and evolution of disk galaxies - Astrophysics and Space Science Proceedings. (Ed.) R.S. De Jong, Springer, Dordrecht, The Netherlands, 121-124 (2007).
- Comastri, A., M. Brusa and R. Gilli: Relativistic iron lines at high redshifts. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany 202-206 (2007).
- Corsini, E.M., A. Beifiori, E. Dalla Bonta, A. Pizzella, L. Coccatto, M. Sarzi and F. Bertola: Upper limits on the mass of supermassive black holes from HST/STIS archival data. In: Proceedings of IAU Symposium 238, 2006, Prague, Czech Republic. Black Holes from Stars to Galaxies - Across the Range of Masses. (Eds.) V. Karas, G. Matt. Proceedings of the IAU. 238, Cambridge University Press, Cambridge, 349-350 (2007).
- Cresci, G., R.I. Davies, A.J. Baker, F. Mannucci and M.D. Lehnert: SWAN: galaxy morphology and evolution from adaptive optics imaging. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 503-506 (2007).
- Crummy, J., A.C. Fabian, L.C. Gallo and R.R. Ross: An explanation for the soft X-ray excess in active galactic nuclei. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy, (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 207-211 (2007).
- Dalla Bonta, E., L. Ferrarese, E.M. Corsini, J. Miralda-Escude, L. Coccatto and A. Pizzella: The Black Hole Mass of Abell 1836-BCG and Abell 3565-BCG. *Memorie della Societa' Astronomica Italiana (MemSAIT)* 78, 745-748 (2007).
- Dalla Bonta, E., L. Ferrarese, J. Miralda-Escude, L. Coccatto, E.M. Corsini and A. Pizzella: Supermassive black holes in BCGs. In: Proceedings of IAU Symposium 238. (Eds.) V. Karas, G. Matt. Proceedings of the IAU. 238, Cambridge University Press, Cambridge, 355-356 (2007).
- Davies, R., R. Genzel, L. Tacconi, F. Mueller Sánchez and A. Sternberg: Eddington-limited Starbursts in the Central 10 pc of AGN, and the Torus in NGC 1068. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, CA USA, 639 (2007).
- Davies, R., R. Genzel, L. Tacconi, F. Müller Sanchez, J. Thomas and S. Friedrich: SINFONI's take on star formation, molecular gas, and black hole masses in AGN. In: Science Perspectives for 3D Spectroscopy. (Eds.) M. Kissler-Patig, J.R. Walsh, M.M. Roth. ESO Astrophysics Symposia. Springer, Berlin, Germany, 259-263 (2007).
- De Lorenzi, F., V.P. Debattista, O. Gerhard and N. Sambhus: NMAGIC: Fast Parallel Implementation of a χ^2 -Made-To-Measure Algorithm for Modeling Observational Data. In Proc. of "235th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) F. Combes and J. Palous. Proc. IAU 235, Cambridge University Press, Cambridge, UK, 91-91 (2007).
- Diehl, R., J.-P. Roques, J. Knödseder and V. Beckmann:

- INTEGRAL Science Results and Connections to Suzaku. *Progr. Theoret. Physics B, Suppl* 169, 299-306 (2007).
- Diehl, R.: Nuclear Astrophysics with Gamma-Ray Line Astronomy. *EAS Publ. Ser.* 27, 83-102 (2007).
- Domínguez-Palermo, L., M. Balcells and P. Erwin: Colors of intermediate z bulges in the GOYA survey. In: *First Light Science with the GTC.* (Eds.) R. Guzmán, C. Packham, J.M. Rodríguez Espinosa, S. Torres-Peimbert. *Revista mexicana de astronomia y astrofisica: serie de conferencias* 29. UNAM, Mexico, 169-169 (2007).
- Douglas, L., M. Bremer and M. Lehnert: A large spectroscopic survey of $z>5$ galaxies. In: *Cosmic Frontiers*, (Eds.) N. Metcalfe, T. Shanks. ASP 379. Astronomical Society of the Pacific, San Francisco, USA, 292-293 (2007).
- Eckart, A., R. Schödel, J.-U. Pott, L. Meyer, S. Trippe, T. Ott, R. Genzel, J. Moutaka and K. Muzic: NIR/X-Ray Variability and Polarized NIR Emission of SgrA*. The Massive Black Hole at the Center of the Milky Way. In: *Proceedings of Conf. "Visions for Infrared Astronomy. Instrumentation – Mesure – Métrologie"*, Paris, France, 2006. (Eds.) V. Coudé du Foresto, D. Rouan, G. Rousset. Vol. 6, Lavoisier, Paris, 43-48 (2007).
- Eckart, A., R. Schödel, L. Meyer, S. Trippe and R. Genzel: The Flare Activity of Sagittarius A*. In: *Proceedings of Conf. "Relativistic Astrophysics and Cosmology – Einstein's Legacy"*, Munich, Germany (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. Springer, Berlin Heidelberg New York, 134-137 (2007).
- Eisenhauer, F., G. Perrin, S. Rabien, A. Eckart and P. Léna: GRAVITY: The AO-Assisted, Two-Object Beam-Combiner Instrument for the VLT. In: *Proceedings of ESO Workshop "The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation Instrumentation"*, Garching, Germany, 2005. (Eds.) A. Richichi, F. Delplancke, F. Paresce, A. Chelli. Springer, Berlin Heidelberg New York, 431-444 (2007).
- Fassbender, R., H. Böhringer, J. Santos, P. Schuecker, G. Lamer, A. Schwobe, J. Kohnert, P. Rosati, C. Mullis and H. Quintana: The XDCP prospects of finding cooling core clusters at large lookback times. In: *Heating versus Cooling in Galaxies and Clusters of Galaxies.* ESO Astrophysics Symposia. Springer, Berlin, Germany, 54-56 (2007).
- Ferrero, P., E. Palazzi, E. Pian and S. Savaglio: Optical observations of GRB 060218/SN 2006aj and its host galaxy. In *Proc. of "The Multicolor Landscape of Compact Objects and their explosive Origins"*, Cefalu, Italy, 2006. (Eds.) L.A. Antonelli, G.L. Israel, L. Piersanti et al.. AIP Conf. Proc. 924, American Institute of Physics, Melville, NY, USA, 120-125 (2007).
- Ferri, C., M. Hernanz and G. Sala: V2487 Oph 1998: a Magnetic Classical Nova?. In: *15th European Workshop on White Dwarfs.* (Eds.) R. Napiwotzki, M.R. Burleigh. ASP 372, Astronomical Society of the Pacific, San Francisco, USA, 519-522 (2007).
- Feulner, G., A. Gabasch, Y. Goranova, U. Hopp and R. Bender: Tracing the mass-assembly history of galaxies with deep surveys. In: *Relativistic Astrophysics and Cosmology - Einstein's Legacy.* (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 310-313 (2007).
- Forman, W., E. Churazov, C. Jones, P. Nulsen, R. Kraft, H. Böhringer, A. Vikhlinin, M. Markevitch, J. Eilek, F. Owen, M. Begelman and S. Heinz: Outbursts from supermassive black holes: shocks, bubbles and filaments around M87. In: *Heating versus Cooling in Galaxies and Clusters of Galaxies.* ESO Astrophysics Symposia. Springer, Berlin, Germany, 80-86 (2007).
- Friedrich, S., H. Zinnecker, S. Correia, W. Brandner, M.R. Burleigh and M. McCaughrean: Search for Giant Planets around White Dwarfs with HST, Spitzer, and VLT. In: *Proceedings of 15th European Workshop on White Dwarfs.* (Eds.) R. Napiwotzki, M.R. Burleigh. ASP 372, Astronomical Society of the Pacific, San Francisco, USA, 343-348 (2007).
- Fujimoto, R., K. Mitsuda, D. McCammon, Y. Takei, M. Bauer, Y. Ishisaki, F. Porter, H. Yamaguchi, K. Hayashida and N. Yamasaki: Evidence for Solar-Wind Charge-Exchange X-Ray Emission from the Earth's Magnetosheath. In: *Proceedings of "The Extreme Universe in the Suzaku Era"*, Kyoto, Japan, 2006. *Progress of Theoretical Physics Supplement* 169, 71-74 (2007).
- Gallo, L.C. and I. Balestra: Investigating narrow-line Seyfert 1 with X-ray spectral complexity. In: *Relativistic Astrophysics and Cosmology - Einstein's Legacy.* (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 218-219 (2007).
- Genzel, R. and V. Karas: The Galactic Center. In *Proc. of "238th IAU Symposium"*, Prague, Czech Republic, 2006. (Eds.) V. Karas and G. Matt. *Proc. IAU 238*, Cambridge University Press, Cambridge, UK, 173-180 (2007).
- Gillard, W., V. Longjumeau, K. Ferrière, P. Jean, I.V. Moskalenko and A. Strong: Effects of the gas content on the Gamma-ray emission from the Galactic bulge. In *Proc. of "First GLAST Symposium"*, Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 482-483 (2007).
- Giozzi, M., I. Papadakis and W. Brinkmann: RXTE monitoring of the radio-loud NLS1 galaxy PKS 0558-504. In *Proc. of "The Multicolor Landscape of Compact Objects and their explosive Origins"*, Cefalu, Italy, 2006. (Eds.) L.A. Antonelli, G.L. Israel, L. Piersanti et al.. AIP. Conf. Proc. 924, American Institute of Physics, Melville, NY, USA, 816-821 (2007).
- Gössl, C. A., U. Hopp, R. Koehler, F. Grupp, H. Relke, N. Drory, K. Gebhardt, G. Hill and P. MacQueen: The VIRUS emission line detection recipe. In: *Astronomical Data Analysis Software and Systems XVI*, (Eds.) R.A. Shaw, F. Hill, D.J. Bell. ASP 376. Astronomical Society of the Pacific, San Francisco, USA, 281-284 (2007).
- Haerendel, G.: Exploration Needs Cooperation, *Space Research Today*, 169, 32-34 (2007)
- Hartung, M., C. Dumas, T.M. Herbst, A. Coustenis, M. Hirtzig, M. Adámkóvics, F. Eisenhauer, C. de Bergh and A. Barucci: Solar system objects with the NACO Fabry-

- Perot and SINFONI. In: Science Perspectives for 3D Spectroscopy. (Eds.) M. Kissler-Patig, J.R. Walsh, M.M. Roth. ESO Astrophysics Symposia. Springer, Berlin, Germany, 63-72 (2007).
- Hashimoto, Y., H. Boehringer, J.P. Henry, G. Hasinger and G. Szokoly: X-ray Morphology of Clusters of Galaxies and its Application. In Proc. of "235th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) F. Combes and J. Palous. Proc. IAU 235, Cambridge University Press, Cambridge, UK, 203-203 (2007).
- Hasinger, G.: Perspectives for astronomy and astrophysics in Germany and its international context. In: Perspectives of Research - Identification and Implementation of Research Topics by Organizations. (Eds.) Max-Planck-Gesellschaft. Max Planck Forum 7. Max-Planck-Gesellschaft, München, Germany, 295-310 (2007).
- Hoover, A.S., A. Klimentko, R.M. Kippen, M.S. Wallace, G.N. Pendleton, C.A. Meegan, G.J. Fishman, C.A. Wilson-Hodge, C. Kouveliotou, G.G. Lichti, A. von Kienlin, H. Steinle, R. Diehl, J. Greiner, R.D. Preece, V. Connaughton, M.S. Briggs, W.S. Paciesas and P.N. Bhat: Validation of the GLAST Burst Monitor Instrument Response Simulation Software. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 552-553 (2007).
- Huang, H.-H. and W. Becker: XMM-Newton observations of PSR B1957+20. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker, H.H. Huang. MPE Report 291. Max-Planck-Institut für extraterrestrische Physik, Garching bei München, 1-4 (2007).
- Hui, C.Y. and W. Becker: A fast-moving central compact object in Puppis-A. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker, H.H. Huang. MPE Report 291. Max-Planck-Institut für extraterrestrische Physik, Garching bei München, 9-12 (2007).
- Hui, C.Y. and W. Becker: An X-ray Study of the Central Compact Object in Puppis-A. In Proc. of "The Seventh Pacific Rim Conference on Stellar Astrophysics", Seoul, Korea, 2005. (Eds.) Y.W. Kang, H.-W. Lee, K.-C. Leung. ASP 362, Astronomical Society of the Pacific, San Francisco, USA, 168 (2007).
- Hui, C.Y. and W. Becker: Discovery of an X-ray nebula associated with PSR J2124-3358. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker, H.H. Huang. MPE Report 291. Max-Planck-Institut für extraterrestrische Physik, Garching bei München, 13-15 (2007).
- Impey, C.D., J.R. Trump, P.J. McCarthy, M. Elvis, J.P. Huchra, N.Z. Scoville, S.J. Lilly, M. Brusa, G. Hasinger, E. Schinnerer, P. Capak and J. Gabor: A survey of AGN and supermassive black holes in the COSMOS Survey. In Proc. of "238th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) V. Karas and G. Matt. Proc. IAU 238, Cambridge University Press, Cambridge, UK, 287-290 (2007).
- Iodice, E., M. Arnaboldi, R. Saglia, L. Sparke and O. Gerhard: New Kinematics for the Central Spheroid in Polar Disk Galaxy NGC4650A. In Proc. of "235th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) F. Combes and J. Palous. Proc. IAU 235, Cambridge University Press, Cambridge, UK, 207-207 (2007).
- Ivanov, V.D., J. Reunanen, L.E. Tacconi-Garman and L.J. Tacconi: VLT/SINFONI integral field spectroscopy of the superantennae. In: Science Perspectives for 3D Spectroscopy. (Eds.) M. Kissler-Patig, J.R. Walsh, M.M. Roth. ESO Astrophysics Symposia. Springer, Berlin, Germany, 273-275 (2007).
- Iyudin, A., J. Greiner, G. Di Cocco and S. Larsson: Gamma-ray probe of the QSO's obscured evolution. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 230-232 (2007).
- Iyudin, A.F., J. Greiner, S. Larsson and F. Ryde: GRB redshifts from prompt emission SEDs. In: Gamma-ray Bursts: Prospects for GLAST. (Eds.) M. Axelsson, F. Ryde. AIP Conference Proceedings 906. American Institute of Physics, Melville, NY, USA, 89-98 (2007).
- Jaroschek, C.H., H. Lesch and R.A. Treumann: Kinetic plasma simulations of GRB fireball collisions: synchrotron features. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 388-390 (2007).
- Kippen, R.M., A.S. Hoover, M.S. Wallace, G.N. Pendleton, C.A. Meegan, G.J. Fishman, C.A. Wilson-Hodge, C. Kouveliotou, G.G. Lichti, A. von Kienlin, H. Steinle, R. Diehl, J. Greiner, R.D. Preece, V. Connaughton, M.S. Briggs, W.S. Paciesas and P.N. Bhat: Instrument Response Modeling and Simulation for the GLAST Burst Monitor. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 590-591 (2007).
- Knödlseeder, J., V. Lonjou, G. Weidenspointner, P. Jean, A. Strong, R. Diehl, B. Cordier, S. Schanne and C. Winkler: Soft gamma-ray galactic ridge emission as unveiled by SPI aboard INTEGRAL. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 130-134 (2007).
- Komossa, S.: Radio-loud Narrow-line Seyfert 1 Galaxies. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, CA, USA, 719 (2007).
- Kubota, K., N. Kawai, T. Kotani, Y. Ueda and W. Brinkmann: The Plasma Structure in the Vicinity of the Jet of SS 433. In Proc. of "The Seventh Pacific Rim Conference on Stellar Astrophysics", Seoul, Korea, 2005. (Eds.) Y.W. Kang, H.-W. Lee, K.-C. Leung et al., ASP Conf. Ser. 362, Astronomical Society of the Pacific, San Francisco, USA, 121 (2007).

- Lançon, A., J.S. Gallagher, R. de Grijs, P. Hauschildt, D. Ladjal, M. Mouhcine, L.J. Smith, P.R. Wood and N. Förster Schreiber: Modelling the Near-IR Spectra of Red Supergiant-dominated Populations. In: Proceedings of IAU Symposium #241: Stellar Populations as Building Blocks of Galaxies, La Palma, Spain, 2006. (Eds.) A. Vazdekis, R. F. Peletier. IAU Vol. 2/S241, Cambridge University Press, Cambridge, 152-155 (2007).
- Lichti, G.G., N. Bhat, M. Briggs, V. Connaughton, R. Diehl, G. Fishman, J. Greiner, R.M. Kippen, C. Kouveliotou, C. Meegan, W. Paciesas, R. Preece, H. Steinle and A. von Kienlin: Current status of the GBM Project. In: Gamma-ray Bursts: Prospects for GLAST. (Eds.) M. Axelsson, F. Ryde. AIP Conference Proceedings 906. American Institute of Physics, Melville, NY, USA, 119-126 (2007).
- Lichti, G.G., E. Bottacini, P. Charlot, W. Collmar, D. Horan, A. von Kienlin, A. Lähteenmäki, K. Nilsson, D. Petry, A. Sillanpää, M. Tornikoski and T. Weekes: INTEGRAL and Multiwavelength Observations of the Blazar Mrk 421 during an Active Phase. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 371-372 (2007).
- Lisker, T., V.P. Debattista, I. Ferreras and P. Erwin: Finding double-barred galaxies with HST. In: Galaxy Evolution across the Hubble Time. (Eds.) F. Combes, J. Palous. IAU Symposium 235. Cambridge University Press, Cambridge, UK, 117-117 (2007).
- Lombini, M., R. Ragazzoni, C. Arcidiacono, A. Baruffolo, G. Cresci, E. Diolaiti, R. Falomo, W. Gaessler, F. Mannucci, E. Vernet, J. Vernet and M. Xompero: Layer-Oriented MCAO Projects for 8-m Class Telescopes and Possible Scientific Outcome. In: Exploring the Cosmic Frontier: Astrophysical Instruments for the 21st Century. ESO Astrophysics Symposia. (Eds.) A.P. Lobanov, J.A. Zensus, C. Cesarsky, P.J. Diamond. European Southern Observatory Series, Springer-Verlag, Berlin, 59-60 (2007).
- López-Sanjuan, C., M. Ballcells, M. Prieto, D. Cristóbal-Hornillos, M.C. Eliche-Moral, P. Erwin, D. Abreu, C.E. García-Dabó, L. Domínguez-Palermo and J. Zumsteg: GOYA survey: mergers up to $z = 1$ in B- and Ks-selected samples. In: First Light Science with the GTC. (Eds.) R. Guzmán, C. Packham, J.M. Rodríguez Espinosa, S. Torres-Peimbert. Revista mexicana de astronomia y astrofísica: serie de conferencias 29. UNAM, Mexico, 172-172 (2007).
- Mainieri, V., P. Tozzi, R. Gilli, P. Rosati, R.-R. Chary and M. Dickinson: Multi-wavelength study of obscured AGN in the Chandra deep field south. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 151-156 (2007).
- Martins, F., R. Genzel, F. Eisenhauer, T. Paumard, T. Ott, S. Trippe and S. Gillessen: Stellar and wind properties of massive stars in the central parsec of the Galaxy. In: Proceedings of IAU XXVI General Assembly 2006. Highlights of Astronomy 14, Cambridge University Press, Cambridge, 207 (2007).
- Martins, F., R. Genzel, T. Paumard, F. Eisenhauer, T. Ott, S. Trippe, R. Abuter, S. Gillessen and H. Maness: Stellar populations in the galactic center with SINFONI. In: Science Perspectives for 3D Spectroscopy. (Eds.) M. Kissler-Patig, J.R. Walsh, M.M. Roth. ESO Astrophysics Symposia. Springer, Berlin, Germany, 229-233 (2007).
- McClintock, J., R. Narayan, C. Reynolds, M. Garcia, J. Orosz, W. Pietsch and M. Torres: Chandra and Constellation-X Home in on the Event Horizon, Black Hole Spin and the Kerr Metric. Chandra Newsletter 14, 1 (2007).
- Meegan, C., N. Bhat, V. Connaughton, M. Briggs, R. Diehl, G. Fishman, J. Greiner, R.M. Kippen, A. von Kienlin, C. Kouveliotou, G. Lichti, W. Paciesas, R. Preece, H. Steinle and C. Wilson-Hodge: The GLAST Burst Monitor. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 13-18 (2007).
- Meidinger, N., R. Andritschke, O. Hälker, R. Hartmann, G. Hasinger, S. Herrmann, P. Holl, N. Kimmel, E. Pfeffermann, P. Predehl, C. Reich, G. Schächner, H. Soltau and L. Strüder: Fast large-area spectroscopic and imaging CCD detectors for X-ray astronomy with eROSITA and for exploration of the nanocosmos. In: Proceedings of UV, X-ray and Gamma-Ray Space Instrumentation for Astronomy XV. (Ed.) O. Siegmund. SPIE Vol. 6686, 66860H-1-66860H-10 (2007).
- Mitsuda, K., R. Fujimoto, N.Y. Yamasaki, T. Yoshino, T. Hagihara, K. Masui, M. Bauer, Y. Takei, D. McCammon, Q.D. Wang and Y. Yao: Suzaku/Chandra Emission/Absorption Line Observations of Hot Gas in and around Our Galaxy. In: Proceedings of "The Extreme Universe in the Suzaku Era", Kyoto (Japan), 2006. Progress of Theoretical Physics Supplement 169, 79-83 (2007).
- Morelli, L., E. Pompei, A. Pizzella, L. Coccato, E.M. Corsini, J. Mendez, R. Saglia, M. Sarzi and F. Bertola: Stellar population in bulge of spiral galaxies. In: Proceedings of IAU Symposium 241. (Eds.) A. Vazdekis, R. F. Peletier. IAU 241, Cambridge University Press, Cambridge, 519-520 (2007).
- Morelli, L., E. Pompei, A. Pizzella, L. Coccato, E.M. Corsini, J. Mendez, R. Saglia, M. Sarzi and F. Bertola: Stellar population in bulge of spiral galaxies. In Proc. of 241th IAU Symposium, V. (Eds.) A. Vazdekis and R.F. Peletier. IAU 241/2006, 519-520 (2007).
- Moskalenko, I.V., A.W. Strong, S.W. Digel and T.A. Porter: Developing the Galactic diffuse emission model for the GLAST Large Area Telescope. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 490-491 (2007).
- Motch, C., R. Lopes de Oliveira, I. Negueruela, F. Haberl and E. Janot-Pacheco: X-ray and Optical Properties of New Gas-Like Objects Discovered in X-ray Surveys. In Proc. of "Active OB-Stars: Laboratories for Stellar and Circumstellar Physics", Sapporo, Japan, 2005. (Eds.) S.

- Steffl, S.P. Owocki and A.T. Okazaki. ASP Conf. Ser. 361, Astronomical Society of the Pacific, San Francisco, USA, 117 (2007).
- Müller, T.G., T. Sekiguchi, M. Kaasalainen, M. Abe and S. Hasegawa: Itokawa: The power of ground-based mid-infrared observations. In Proc. of "236th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) A. Milani, G.B. Valsecchi. Proc. IAU 236, Cambridge University Press, Cambridge, UK, 261-266 (2007).
- Nesvadba, N., M.D. Lehnert and F. Eisenhauer: AGN feedback at high redshift: Shaping the most massive galaxies?. In: Science Perspectives for 3D Spectroscopy. (Eds.) M. Kissler-Patig, J.R. Walsh, M.M. Roth. ESO Astrophysics Symposia. Springer, Berlin, Germany, 393-395 (2007).
- Noll, S., D. Pierini, M. Pannella and S. Savaglio: The evolution of galaxy dust properties for $1 < z < 2.5$. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys. (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 461-466 (2007).
- Okuda, H., G. Hasinger, M.D. Arnaud, S. Bludman, J. Braga, N. Brosch, L. Gurvits, H. Hasan, G. Helou, I. Howarth, H. Inoue, P. Luigi and G. Srinivasan: Commission 44: Space & High Energy Astrophysics. IAU Transactions 26, 319-326 (2007).
- Orlando, E. and A. Strong: GLAST Detectability of Gamma-Ray Emission from Photon Fields of Luminous Stars. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 492-493 (2007).
- Orlando, E., D. Petry and A. Strong: Extended Solar Emission - an Analysis of the EGRET Data. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 502-503 (2007).
- Padovani, P., V. Mainieri, P. Tozzi, K.I. Kellermann, E.B. Fomalont, N. Miller, P. Rosati and P. Shaver: The micro-Jy radio source population: the VLA-CDFS view. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys. (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 205-211 (2007).
- Phleps, S., C. Wolf, J.A. Peacock, K. Meisenheimer and E. van Kampen: A hole in the sky- The dependence of the galaxy luminosity function on the environment. In Proc. of "Cosmic Frontiers". (Eds.) N. Metcalfe, T. Shanks. ASP 379. Astronomical Society of the Pacific, San Francisco, USA, 327-329 (2007).
- Porter, T.A., I.V. Moskalenko and A.W. Strong: Very High Energy Gamma Rays from Supernova Remnants and Constraints on the Galactic Interstellar Radiation Field. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 411-412 (2007).
- Rebusco, P., E. Churazov, H. Böhringer and W.R. Forman: Stochastic gas motions in galaxy clusters. In: Heating versus Cooling in Galaxies and Clusters of Galaxies. ESO Astrophysics Symposia. Springer, Berlin, Germany, 306-308 (2007).
- Rebusco, P., E. Churazov, H. Böhringer and W. Forman: Turbulence in galaxy clusters: impact on the abundance profiles. In: Relativistic Astrophysics and Cosmology - Einstein's Legacy. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia. Springer, Berlin, Germany, 340-343 (2007).
- Reunanen, J., V.D. Ivanov, L.E. Tacconi-Garman and L.J. Tacconi: VLT/SINFONI Spectroscopy of the Superantennae. In Proc. of "First Light Science with the GTC", Miami, USA, 2006. (Eds.) R. Guzmán, C. Packham, J.M. Rodríguez Espinosa and S. Torres-Peimbert. RevMexAA 29, Instituto de Astronomía, Universidad Nacional Autónoma de México, 104-106 (2007).
- Rodríguez, A., B. Beltran, S. Cebrian, H. Gomez, I.G. Irastorza, G. Luzon, J. Morales, J. Ruz, J.A. Villar, M. Kuster, C. Klose, R. Hartmann, R. Kotthaus and L. Strüder: Background studies of the pn-CCD detector of CAST. In: Proceedings of the Sixth International Workshop on the Identification of Dark Matter, Rhodes, Greece, 2006. (Eds.) M. Axenides, G. Fanourakis, J. Vergados. World Scientific Publishing, Singapore, 554-558 (2007).
- Rupke, D., S. Veilleux, D.-C. Kim, E. Sturm, A. Contursi, D. Lutz, H. Netzer, A. Sternberg and D. Maoz: Uncovering the Active Galactic Nuclei in Low-ionization Nuclear Emission-line Regions with Spitzer. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 525 (2007).
- Schinnerer, E., F. Bertoldi, C.L. Carilli, V. Smolčić, N.Z. Scoville, K. Menten, H. Voss, A. Blain and D. Lutz: Radio and Millimeter Observations of the COSMOS Field. In Proc. of "From Z-Machines to ALMA: (Sub)Millimeter Spectroscopy of Galaxies", Charlottesville, USA, 2006. (Eds.) A.J. Baker, J. Glenn, A.I. Harris, J.G. Mangum and Min. ASP Conf. Ser. 375, Astronomical Society of the Pacific, San Francisco, USA, 123 (2007).
- Schweitzer, M., D. Lutz, E. Sturm, R. Genzel, S. Veilleux, D. Rupke, D.-C. Kim, A.J. Baker, B. Groves, D. Tomono, H. Netzer and A. Sternberg: Silicate Emission in AGN: Emission from the Torus or (and) Extended Emission. In: Proceedings of Conf. "The Central Engine of Active Galactic Nuclei", Xi'an, China, 2006. (Eds.) L.C. Ho, J.-M. Wang. AIP Conference Series 373, Astronomical Society of the Pacific, San Francisco, USA, 501-504 (2007).
- Seidensticker, K.J., D. Möhlmann, I. Apathy, W. Schmidt, K. Thiel, W. Arnold, H.-H. Fischer, M. Kretschmer, D. Madlener, A. Péter, R. Trautner and S. Schieke: Sesame - An Experiment of the Rosetta Lander Philae: Objectives and General Design. Space Sci. Rev. 128, 301-337 (2007).
- Slowikowska, A., A. Jessner, G. Kanbach and B. Klein: Comparison of giant radio pulses in young pulsars and millisecond pulsars. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker, H.H. Huang. MPE Report 291. Max-Planck-

- Institut für extraterrestrische Physik, Garching, Germany, 64-67 (2007).
- Slowikowska, A., G. Kanbach and A. Stefanescu: Fully Resolved Optical Polarization of the Crab Pulsar. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 419-420 (2007).
- Slowikowska, A., G. Kanbach, J. Borkowski and W. Becker: INTEGRAL observations of PSR B0540-69. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker, H.H. Huang. MPE Report 291. Max-Planck-Institut für extraterrestrische Physik, Garching, Germany, 44-51 (2007).
- Steinle, H., A. von Kienlin, E. Bissaldi, G. Lichti, R. Diehl, J. Greiner, C.A. Meegan, G.J. Fishman, C. Kouveliotou, C.A. Wilson-Hodge, W.S. Paciesas, R.D. Preece, M.S. Briggs, P.N. Bhat, V. Connaughton, R.M. Kippen and A.S. Hoover: Understanding The GLAST Burst Monitor Detector Calibration: A Detailed Simulation Of The Calibration Including The Environment. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 572-573 (2007).
- Strateva, I., W.N. Brandt, M. Eracleous, G. Garmire and S. Komossa: The Spectral Energy Distributions of AGN with Double-peaked Balmer Lines. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 399 (2007).
- Trujillo, I., N.M. Förster Schreiber, G. Rudnick, M. Barden, M. Franx, H.-W. Rix, J.A. R. Caldwell, D.H. McIntosh, A. Zirm, B. Haeußler, P.G. van Dokkum, I. Labbé, A. Moorwood, H. Roettgering, A. van der Wel, P. van der Werf and L. van Starkenburg: Size evolution of galaxies since $z \sim 3$: combining SDSS, GEMS and FIRES. In: Island Universes - Structure and Evolution of Disk Galaxies, (Eds.) R.S. De Jong. Astrophys. and Space Sci. Springer, Dordrecht, The Netherlands, 481-486 (2007).
- Trump, J.R., C.D. Impey, J.M. Gabor, P.J. McCarthy, M. Elvis, J. Huchra, M. Brusa, G. Hasinger, E. Schinnerer and N. Scoville: A Multiwavelength Study of AGN with COSMOS: Do Low-Eddington Ratio Type 1 AGN Exist?. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 726 (2007).
- Ulubay-Siddiki, A., O. Gerhard and M. Arnaboldi: Self-gravitating warped disks around nuclear black holes. In Proc. of "238th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) V. Karas and G. Matt. Proc. IAU 238, Cambridge University Press, Cambridge, UK, 467-468 (2007).
- Ulubay-Siddiki, A., O. Gerhard and M. Arnaboldi: Super Kütüeli Karadelikler Etrafinda Egrilikli Diskler - Warped Disks Around Supermassive Black Holes. In: Proceedings of the XV. National Astronomy Meeting of Turkey. (Eds.) H. Gulsecen, F. Limboz, A.F. Teker. Proceedings of National Astronomy Meeting of Turkey Vol. 2, Kultur University, Istanbul, Turkey, 699-708 (2007).
- Valiante, E., D. Lutz, E. Sturm, L.J. Tacconi, M.D. Lehnert and A.J. Baker: A mid-infrared spectroscopic study of submillimeter galaxies. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, USA, 417-420 (2007).
- Vennik, J. and U. Hopp: Stellar ages and star-forming properties of galaxies in a dense group around IC 65. In Proc. of 241th IAU Symposium. La Palma, Spain, 2006. (Eds.) A. Vazdekis and R.F. Peletier. Proc. IAU 241, 525-526 (2007).
- Verma, A., M. Lehnert, N. Förster Schreiber, M. Bremer and L. Douglas: Young galaxies in the early universe: the physical properties of luminous $z \sim 5$ LBGs derived from their rest-frame UV to visible SEDs. In: At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, (Eds.) J. Afonso, H.C. Ferguson, B. Mobasher, R. Norris. ASP 380. Astronomical Society of the Pacific, San Francisco, CA, USA, 75-82 (2007).
- Vignali, C., F. Pozzi, A. Comastri, L. Pozzetti, M. Mignoli, C. Gruppioni, G. Zamorani, C. Lari, F. Civano, M. Brusa, F. Fiore and R. Maiolino: The obscured X-ray source population in the HELLAS2XMM survey: the Spitzer view. In Proc. of "The Multicolor Landscape of Compact Objects and their explosive Origins", Cefalu, Italy, 2006. (Eds.) L.A. Antonelli, G.L. Israel, L. Piersanti et al. AIP. Conf. Proc. 924, American Institute of Physics, Melville, NY, USA, 864-869 (2007).
- von Kienlin, A., E. Bissaldi, G.G. Lichti, H. Steinle, M. Krumrey, M. Gerlach, G.J. Fishman, C. Meegan, N. Bhat, M.S. Briggs, R. Diehl, V. Connaughton, J. Greiner, R.M. Kippen, C. Kouveliotou, W. Paciesas, R. Preece and C. Wilson-Hodge: Calibration of the GLAST Burst Monitor detectors. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 578-579 (2007).
- von Kienlin, A., G.J. Fishman, M.S. Briggs, G.L. Godfrey and H. Steinle: High-Energy Calibration of a BGO detector of the GLAST Burst Monitor. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 576-577 (2007).
- Wallace, M.S., R.M. Kippen, A.S. Hoover, G.N. Pendleton, C.A. Meegan, G.J. Fishman, C.A. Wilson-Hodge, C. Kouveliotou, G.G. Lichti, A. von Kienlin, H. Steinle, R. Diehl, J. Greiner, R.D. Preece, V. Connaughton, M.S. Briggs, W.S. Paciesas and P.N. Bhat: Full Spacecraft Source Modeling and Validation for the GLAST Burst Monitor. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY, USA, 580-581 (2007).
- Wang, W.: 511 keV line from millisecond pulsars in the galactic center. In: Proceedings of the 363. WE-Heraeus Seminar on Neutron Stars and Pulsars. (Eds.) W. Becker,

H.H. Huang. MPE Report 291. Max-Planck-Institut für extraterrestrische Physik, Garching, Germany, 32-35 (2007).

Werner, N., H. Böhringer, J.S. Kaastra, J. de Plaa, A. Simionescu and J. Vink: Carbon and nitrogen in the X-ray emitting hot gas of M 87. In: Heating versus Cooling in Galaxies and Clusters of Galaxies. ESO Astrophysics Symposia. Springer, Berlin, Germany, 309-311 (2007).

Whitelock, P., A. Sarajedini, O. Gerhard, M. Giersz, G. Meylan, B. Nordström, D. Spergel and R. Spurzem: Division VII: Galactic System. IAU Transactions 26, 273-273 (2007).

Whitelock, P., O. Gerhard, Y. Efremov, W. Evans, C. Flynn, J. Grindlay, B. Nordström, M. Perryman, R. Wyse and C. Yuan: Commission 33: Structure and Dynamics of the Galactic System. IAU Transactions 26, 275-276 (2007).

Wilman, D.J., M.L. Balogh, R.G. Bower, J.S. Mulchaey, A. Oemler and R.G. Carlberg: Morphologies and star formation in $z \sim 0.5$ group galaxies. In: Groups of Galaxies in the Nearby Universe. (Eds.) I. Saviane, V.D. Ivanov, J. Borissova. ESO Astrophysics Symposia. Springer, Berlin [u.a.], Germany, 145-149 (2007).

Xu, D. and S. Komossa: The relation between the properties of the NLR in narrow-line Seyfert 1 galaxies and the accretion rate. In Proc. of "238th IAU Symposium", Prague, Czech Republic, 2006. (Eds.) V. Karas and G. Matt. Proc. IAU 238, Cambridge University Press,

Cambridge, UK, 473-474 (2007).

Xu, D., S. Komossa, H. Zhou, T. Wang and J. Wei: Probing the NLR in Narrow-line Seyfert 1 Galaxies. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 557 (2007).

Zhang, Y.-Y., A. Finoguenov, H. Böhringer, J.-P. Kneib, G. P. Smith, O. Czoske, G. Soucaill, P. Schuecker, Y. Ikebe, K. Matsushita, L. Guzzo and C.A. Collins: Exploring massive galaxy clusters: XMM-Newton observations of two morphology unbiased samples at $z \sim 0.2$ and $z \sim 0.3$. In: Heating versus Cooling in Galaxies and Clusters of Galaxies. ESO Astrophysics Symposia. Springer, Berlin, Germany, 60-62 (2007).

Zhang, X.-L., S.N. Zhang, G. Sala, J. Greiner, Y. Feng and Y. Yao: GRO J1655-40: ASCA and XMM-Newton Observations. In Proc. of "The Central Engine of Active Galactic Nuclei", Xian, China, 2006. (Eds.) L.C. Ho and J.-M. Wang. ASP Conf. Ser. 373, Astronomical Society of the Pacific, San Francisco, USA, 263 (2007).

Zoglauer, A., R. Andritschke, G. Kanbach and S.E. Boggs: A Bayesian-based Method for Particle Track Identification in Low-energy Pair-creation Telescopes. In Proc. of "First GLAST Symposium", Stanford, USA, 2007. (Eds.) S. Ritz, P. Michelson and C.A. Meegan. AIP. Conf. Proc. 921, American Institute of Physics, Melville, NY USA, 584-585 (2007).

Telegrams / Circulars

Barsukova, E., A. Valeev, O. Sholukhova, S. Fabrika, V. Burwitz and W. Pietsch: Optical Spectroscopy of two Novae M31N 2007-11b and M31N 2007-11c. The Astronomer's Telegram (ATel) 1314 (2007).

Barsukova, E., N. Borisov, S. Fabrika, O. Sholukhova, A. Valeev, V. Goranskij, V. Burwitz, W. Pietsch and D. Hatzidimitriou: Spectroscopic confirmation of four novae in M31. The Astronomer's Telegram (ATel) 1186, 1 (2007).

Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, C. Gall, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, K. Konishi, J. Krzesinski, H. Lampeitl, R. Kessler, B. Ketzeback, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, A. Aragon-Salamanca, M. Bremer, M. Turatto, P. Ruiz-Lapuente, F. Castander, A.K. Romer, C. Collins, J. Lucey, A. Edge, L. Ostman, R. Bender, U. Hopp and W. Kollatschny: Supernovae 2007ix-2007jh. IAU Telegram 1076, 1 (2007).

Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, C. Gall, P.

Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, K. Konishi, J. Krzesinski, H. Lampeitl, R. Kessler, B. Ketzeback, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, R. Bender, U. Hopp, W. Kollatschny, R. Assef, M. Peeples, M. Molla, F. Castander, R. Miquel, D. McGinnis, P. Challis, G. Narayan and R. Kirshner: Supernovae 2007ju and 2007kl-2007ld. IAU Telegram 1098, 1 (2007).

Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, B. Ketzeback, K. Konishi, J. Krzesinski, H. Lampeitl, G. Leloudas, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, A.V. Filippenko, J.M. Silverman, R.J. Foley, M. Modjaz, M. Bremer, M. Turatto, P. Ruiz-Lapuente, F. Castander, A.K. Romer, C. Collins, J. Lucey,

- A. Edge, R. Bender, U. Hopp, W. Kollatschny and D. McGinnis: Supernovae 2007md and 2007mr-2007nl. IAU Telegram 1104, 1 (2007).
- Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, B. Ketzeback, K. Konishi, J. Krzesinski, H. Lampeitl, G. Leloudas, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, D. McGinnis, R. Bender, U. Hopp and W. Kollatschny: Supernovae 2007lx and 2007nr-2007oa. IAU Telegram 1109, 1 (2007).
- Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, B. Ketzeback, K. Konishi, J. Krzesinski, H. Lampeitl, G. Leloudas, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, D. McGinnis, R. Bender, W. Kollatschny and J. Bird: Supernovae 2007oe-2007om. IAU Telegram 1117, 1 (2007).
- Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, B. Ketzeback, K. Konishi, J. Krzesinski, H. Lampeitl, G. Leloudas, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, D. McGinnis, R. Bender, U. Hopp, W. Kollatschny, M. Molla, F. Castander, R. Miquel and L. Galbany: Supernovae 2007oq-2007pj. IAU Telegram 1128, 1 (2007).
- Bassett, B., A. Becker, D. Bizyaev, H. Brewington, C. Choi, D. Cinabro, C. D'Andrea, J. Dembicky, D.L. Depoy, B. Dilday, M. Doi, J. Eastman, J. Frieman, P. Garnavich, A. Goobar, C. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, B. Ketzeback, K. Konishi, J. Krzesinski, H. Lampeitl, G. Leloudas, D. Long, O. Malanushenko, J. Marriner, R. McMillan, G. Miknaitis, T. Morokuma, J. Mosher, R. Nichol, D. Oravetz, K. Pan, L. Ostman, J.L. Prieto, M. Richmond, A. Riess, R. Romani, M. Sako, D. Schneider, A. Simmons, M. Smith, S. Snedden, J. Sollerman, M. Stritzinger, N. Takanashi, K. Tokita, M.F. Taylor, K. vanderHeyden, S. Watters, N. Yasuda, C. Wheeler, C. Zheng, D. McGinnis, R. Bender, U. Hopp, W. Kollatschny and L. Watson: Supernovae 2007pn-2007qb. IAU Telegram 1135, 1 (2007).
- Beckmann V., W. Ishibashi, E. Bottacini, M. Ajello and J. Greiner: Swift and INTEGRAL observation of 1ES 1959+650. The Astronomer's Telegram (ATel) 1317, 2007.
- Bottacini E., V. Beckmann, W. Ishibashi, M. Ajello and J. Greiner: Blazar 1ES 1959+650 shows high and hard X-ray state. The Astronomer's Telegram (ATel) 1315, 2007.
- Bouché, N., M.T. Murphy, C. Peroux, I. Csabai and V. Wild: Catalogue of 1806 MgII absorbers from SDSS DR3 (Bouché+, 2006). VODC 737, 10495 (2007).
- Bouché, N., M.T. Murphy, C. Peroux, I. Csabai and V. Wild: New perspectives on strong $z \sim 0.5$ MgII absorbers: are halo mass and equivalent width anticorrelated?. VODC 837, 10495 (2007).
- Burwitz, V., D. Hatzidimitriou, A. Stefanescu, H. Steinle, W. Pietsch, A. Manousakis, P. Reig, G. Papamastorakis, S. Cikota, A. Cikota and S. Sanchez: A new optical Nova in M31. The Astronomer's Telegram (ATel) 1146, 1 (2007).
- Burwitz, V., W. Pietsch, A. Updike, D. Hartmann, P. Milne and G. Williams: Possible Nova in M31. The Astronomer's Telegram (ATel) 1238, 1 (2007).
- Burwitz, V., W. Pietsch, M. Henze, A. Updike, P. Milne, G. Williams and D.H. Hartmann: Possible new optical Nova in M 31. The Astronomer's Telegram 1275, 1 (2007).
- Carrera, F.J., J. Ebrer, S. Mateos, M.T. Ceballos, A. Corral, X. Barcons, M.J. Page, S.R. Rosen, M.G. Watson, J.A. Tedds, R. Della Ceca, T. Maccacaro, H. Brunner, M. Freyberg, G. Lamer, F.E. Bauer and Y. Ueda: XMM serendipitous survey AXIS X-ray source counts (Carrera+, 2007). VODC 346, 90027 (2007).
- Cocchia, F., F. Fiore, C. Vignali, M. Mignoli, M. Brusa, A. Comastri, C. Feruglio, A. Bald, N. Carangelo, P. Ciliegi, V. D'Elia, F. La Franca, R. Maiolino, G. Matt, S. Molendi, G.C. Perola and S. Puccetti: The HELLAS2XMM survey. VIII (Cocchia+, 2007). VODC 346, 60031 (2007).
- Cummings, J.R. and J. Greiner: GRB 071028B Swift-BAT detection of a burst. GCN Circ. 7019, 1 (2007).
- Galis, R., V. Beckmann, V. Bianchin, S. Grebenev, B. McBreen, S. Mereghetti, M. Revnivtsev, C. Sanchez, A. Strong and N.J. Westergaard: SAX J2103.5+4545 in outburst. The Astronomer's Telegram (ATel) 1063, 1 (2007).
- Garnavich, P., N. Dame, N. Bouché, P. Buschkamp, O. Kuhn, X. Fan, X. Dai, J. Prieto, K.Z. Stanek, J. Hill, J. Bechtold, J. Kern, R.M. Wagner and J. Rhoads: GRB 070518, deep LBT photometry. GCN Circ. 6462, 1 (2007).
- Garnavich, P., X. Fan, L. Jiang, X. Dai, O. Kuhn, N. Bouché, P. Buschkamp, P. Smith, P. Milne, J. Bechtold, K.Z. Stanek, J. Prieto, R.M. Wagner, J. Rhoads, J. Hill, A. Baruffolo, C. Desantis, E. Diolaiti, A. Dipaola, J. Farinato, A. Fontana, S. Gallozzi, F. Gasparo, E. Giallongo, A. Grazian, F. Pasian, F. Pedichini, R. Ragazzoni, R. Smareglia, R. Speziali, V. Testa and E. Vernet: GRB 070125, deep late-time optical observation. GCN Circ. 6165, 1 (2007).

- Godet, O., K.L. Page, A.P. Beardmore, J.P. Osborne and S. McBreen: GRB 071101: Swift-XRT team refined analysis. *GCN Circ.* 7038, 1 (2007).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, A. von Kienlin, G. Lichti, A. Rau, D. Gotz, S. Mereghetti, J. Cummings, S. Barthelmy, N. Gehrels, H. Krimm, K. Hurley, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: IPN localization of very intense short GRB 070201. *GCN Circ.* 6088, 1 (2007).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, J. Cummings, S. Barthelmy, N. Gehrels, H. Krimm, A. von Kienlin, G. Lichti, A. Rau, D. Gotz, S. Mereghetti, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, K. Hurley, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas and A. Zehnder: IPN localization of very bright long hard GRB 070207. *GCN Circ.* 6089, 1 (2007).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, A. von Kienlin, G. Lichti, A. Rau, D. Gotz, S. Mereghetti, K. Yamaoka, T. Uehara, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, K. Hurley, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas and A. Zehnder: Intense burst from Sgr 1806-20 detected on July 27. *GCN Circ.* 6684, 1 (2007).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, J. Cummings, S. Barthelmy, N. Gehrels, H. Krimm, D. Palmer, K. Hurley, A. von Kienlin, G. Lichti, A. Rau, D. Gotz and S. Mereghetti: Intense burst from Sgr 1806-20 detected on September 7. *GCN Circ.* 6775, 1 (2007).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, P. Oleynik, M. Ulanov, T. Cline, D. Palmer, S. Barthelmy, J. Cummings, N. Gehrels, H. Krimm, K. Hurley, A. von Kienlin, G. Lichti, A. Rau, D. Gotz, S. Mereghetti, M. Feroci, P. Soffitta, Y. Evangelista, K. Yamaoka, M. Ohno, Y.E. Nakagawa, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: Recent SGR1806-20 activity. *GCN Circ.* 6822, 1 (2007).
- Goobar, A., R. Nichol, M. Molla, F. Castander, R. Miquel, L. Galbany, R. Romani, C. Zheng, M. Sako, C. Wheeler, D. Schneider, R. Bender, U. Hopp, W. Kollatschny, P. Garnavich, S. Jha, J. Silverman, A. Filippenko and R. Foley: Supernova 2007qd. *IAU Telegram* 1137, 2 (2007).
- Greiner, J., C. Clemens, T. Krühler, A. Küpcü-Yoldas, N. Primak, G. Szokoly, A. Yoldas, S. Klose, U. Laux and C.C. Thoene: GROND upper limits of GRB 070521. *GCN Circ.* 6449, 1 (2007).
- Greiner, J., C. Clemens, T. Kruehler, A. Kuepcue-Yoldas, N. Primak, G. Szokoly, A. Yoldas and S. Klose: GRB 070802: GROND j band candidate. *GCN Circ.* 6694, 1 (2007).
- Haberl, F., M. Henze and W. Pietsch: Detection of a new X-ray transient in a globular cluster in M31. *The Astronomer's Telegram (ATel)* 1296, 1 (2007).
- Haberl, F., W. Pietsch and M. Henze: Verification of the transient in the M31 globular cluster Bol 194 as super-soft X-ray source. *The Astronomer's Telegram (ATel)* 1306 (2007).
- Haberl, F., W. Pietsch and P. Kahabka: XMM-Newton observed the X-ray binary pulsar XTE J0103-728 in outburst. *The Astronomer's Telegram (ATel)* 1095, 1 (2007).
- Hatzidimitiou, D., W. Pietsch, V. Burwitz, A. Stefanescu, H. Steinle, P. Reig and G. Papamastorakis: Optical novae in M31. *The Astronomer's Telegram (ATel)* 1141 (2007).
- Hatzidimitiou, D., W. Pietsch, V. Burwitz, A. Stefanescu, H. Steine, P. Reig and G. Papamastorakis: Optical novae in M31. *The Astronomer's Telegram (ATel)* 1141, 1 (2007).
- Hatzidimitriou, D., V. Burwitz, H. Steinle, W. Pietsch, A. Slowikowska, P. Reig and G. Papamastorakis: New Nova Candidate in M31. *The Astronomer's Telegram (ATel)* 1156, 1 (2007).
- Hatzidimitriou, D., V. Burwitz, S. Duscha, G. Kanbach, W. Pietsch, P. Reig and G. Papamastorakis: Possible Nova in M31. *The Astronomer's Telegram (ATel)* 1131, 1 (2007).
- Hatzidimitriou, D., V. Burwitz, W. Pietsch, A. Strigachev, P. Reig and I. Papamastorakis: Optical Nova Candidate in M31. *The Astronomer's Telegram (ATel)* 1206, 1 (2007).
- Henry, J.P., C.R. Mullis, W. Voges, H. Böhringer, U.G. Briel, I.M. Gioia and J.P. Huchra: ROSAT NEP X-ray source catalog (Henry+, 2006). *VODC* 216, 20304 (2007).
- Henze, M., V. Burwitz, W. Pietsch, A. Updike, D. Hartmann, P. Milne and G. Williams: Possible new optical Nova in M 31. *The Astronomer's Telegram (ATel)* 1336 (2007).
- Henze, M., W. Pietsch and F. Haberl: Detection of a new outburst of the recurrent X-ray transient CXOM31J004217.0+411508. *The Astronomer's Telegram (ATel)* 1307 (2007).
- Hernanz, M., C. Ferri and G. Sala: XMM-Newton observation of V2362 Cyg. *The Astronomer's Telegram (ATel)* 1226 (2007).
- Hernanz, M., C. Ferri and G. Sala: XMM-Newton observation of V2362 Cyg. *The Astronomer's Telegram (ATel)* 1226, 1 (2007).
- Hill, J., P. Garnavich, O. Kuhn, N. Bouché, P. Buschkamp, X. Fan, X. Dai, J. Prieto, K.Z. Stanek, P. Milne, J. Bechtold, R.M. Wagner and J. Rhoads: GRB 070419A, deep LBT photometry and possible supernova detection. *GCN Circ.* 6486, 1 (2007).
- Hurley, K., J. Goldsten, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, A. von Kienlin, G. Lichti and A. Rau: IPN triangulation of GRB070201 (refined error box using MESSENGER data). *GCN Circ.* 6103, 1 (2007).
- Hurley, K., T. Cline, I. Mitrofanov, A. Kozyrev, M. Litvak, A. Sanin, V. Tret'yakov, A. Parshukov, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, A. Rau, J. Cummings, H. Krimm, S. Barthelmy and N. Gehrels:

- IPN-BAT localization of GRB070125 (very long duration, intense). GCN Circ. 6024, 1 (2007).
- Hurley, K., T. Cline, I. Mitrofanov, A. Kozyrev, M. Litvak, A. Sanin, V. Tret'yakov, A. Parshukov, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, A. Rau, K. Yamaoka, E. Sonoda, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami and K. Makishima: IPN triangulation of GRB070402. GCN Circ. 6241, 1 (2007).
- Hurley, K., T. Cline, I.G. Mitrofanov, M.L. Litvak, A.S. Kozyrev, A.B. Sanin, V.I. Tret'yakov, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, 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, J. Goldsten, I. Donnarumma, L. Pacciani, F. Fuschino and M. Marisaldi: IPN search for a GRB associated with TAROT transient on August 31. GCN Circ. 6776, 1 (2007).
- Kann, D.A., A.C. Wilson, S. Schulze, S. Klose, M. Henze, F. Ludwig, U. Laux and J. Greiner: GRB 070610: TLS RRM sees flaring behaviour - galactic transient?. GCN Circ. 6505, 1 (2007).
- Kann, D.A., S. Schulze, S. Klose and J. Greiner: GRB 070411: Tautenburg RRM afterglow confirmation. GCN Circ. 6268, 1 (2007).
- Kann, D.A., U. Laux, S. Klose, H. Meusinger, S. Schulze and J. Greiner: GRB 070411: TLS data shows plateau, flares. GCN Circ. 6295, 1 (2007).
- Kreykenbohm, I., S.E. Shaw, V. Bianchin, R. Diehl, S. Brandt, M. Mas-Hesse, A. Parmar, W. Hermsen and R. Krivonos: INTEGRAL detects a new outburst of MXB 0656-072. The Astronomer's Telegram (ATel) 1281, 1 (2007).
- Kruehler, T., J. Greiner, P. Afonso, A. Kuepcue-Yoldas, A. Yoldas and G. Szokoly: GRB 071031: GROND detection in all bands. GCN Circ. 7021, 1 (2007).
- Krumpe, M., G. Lamer, A.D. Schwobe, S. Wagner, G. Zamorani, M. Mignoli, R. Staubert, L. Wisotzki and G. Hasinger: XMM-Newton survey in the Marano Field. I. (Krumpe+, 2007). VODC 346, 60041 (2007).
- Landsman, W., L. Angelini and J. Greiner: GRB070223: Swift/UVOT refined analysis. GCN Circ. 6134, 1 (2007).
- Landsman, W., M. Chester and S. McBreen: GRB070406: Swift UVOT observations. GCN Circ. 6258, 1 (2007).
- McBreen, S., E. Troja, J.R. Cummings, W. Landsman, K.L. Page, J.P. Osborne, J. Racusin, V. La Parola, H. Krimm, S.D. Barthelmy, D.N. Burrows, P. Roming and N. Gehrels: Swift observations of GRB 070406. GCN Report 46, 1 (2007).
- McBreen, S., E. Troja, J.R. Cummings, W. Landsman, K.L. Page, J.P. Osborne, J. Racusin, V. La Parola, H. Krimm, S.D. Barthelmy, D.N. Burrows, P. Roming and N. Gehrels: Final Swift observations of GRB 070406. GCN Report 46, 2 (2007).
- McBreen, S., O. Godet, T. Ukwatta, F. Marshall, K.L. Page, C. Pagani, A.P. Beardmore, J.P. Osborne, A. Parsons, S.D. Barthelmy, D.N. Burrows, P. Roming and N. Gehrels: Swift observations of GRB 071101. GCN Report 101, 1 (2007).
- McBreen, S., S.D. Barthelmy, J.R. Cummings, N. Gehrels, O. Godet, S.T. Holland, J.A. Kennea, H.A. Krimm, F.E. Marshall, P.T. O'Brien, C. Pagani, K.L. Page, D.M. Palmer, A.M. Parsons, P. Romano, T. Sakamoto, M. Stamatikos, R.L.C. Starling, E. Troja, T.N. Ukwatta, D.E. van den Berk and S.D. Vergani: GRB 071101: Swift detection of a burst. GCN Circ. 7030, 1 (2007).
- Orosz, J.A., J.E. McClintock, C.D. Bailyn, R.A. Remillard, W. Pietsch and R. Narayan: Dynamical Evidence for a Black Hole in the Eclipsing X-ray Binary M33 X-7. The Astronomer's Telegram (ATel) 977, 1 (2007).
- Pietsch, W., G. Sala, F. Haberl and J. Greiner: Detection of nova M31N 2007-07c with Swift UVOT in the UVW2 filter. The Astronomer's Telegram (ATel) 1149, 1 (2007).
- Pietsch, W., G. Sala, F. Haberl and J. Greiner: Swift UVOT UVW2 filter light curves of optical novae in M31 with outbursts in July 2007. The Astronomer's Telegram (ATel) 1157, 1 (2007).
- Pietsch, W., J. Greiner, F. Haberl and G. Sala: Swift/XRT and UVOT detection of the optical nova M31N 2006-11a. The Astronomer's Telegram 1116, 1 (2007).
- Pietsch, W., V. Burwitz, A. Stefanescu, D. Hatzidimitriou, J. Pöpsel, S. Binnewies, H. Ruder and G. Papamastorakis: New optical nova candidate in the outer disk of M 31. The Astronomer's Telegram (ATel) 1201, 1 (2007).
- Pietsch, W., V. Burwitz, A. Updike, P. Milne, G. Williams and D. Hartmann: Possible optical Nova in M 31. The Astronomer's Telegram (ATel) 1257, 1 (2007).
- Pietsch, W., V. Burwitz, D. Hatzidimitriou, H. Steinle, A. Slowikowska, A. Stefanescu, P. Reig, G. Papamastorakis, S. Cikota, A. Cikota, S. Sanchez, F. Haberl, G. Sala and J. Greiner: A new optical Nova in M31. The Astronomer's Telegram 1162, 1 (2007).
- Pietsch, W., V. Burwitz, J. Greiner, E. Barsukova, S. Fabrika, A. Moiseev, A. Valeev, V. Goranskij and K. Hornoch: Spectroscopic confirmation of an optical nova in M31. The Astronomer's Telegram (ATel) 1009, 1 (2007).
- Pietsch, W., V. Burwitz, J. Greiner, F. Haberl, M. Henze and G. Sala: Detection of supersoft X-ray emission from the He/N nova M31N 2007-06b in the globular cluster in M 31. The Astronomer's Telegram (ATel) 1294, 1 (2007).
- Pietsch, W., V. Burwitz, M. Henze, N. Morales and J. Nomen: Possible optical nova in M 31. The Astronomer's Telegram (ATel) 1329 (2007).
- Pietsch, W., V. Burwitz, R. Stoss, A. Updike, D. Hartmann, P. Milne and G. Williams: Possible Nova in M31. The Astronomer's Telegram (ATel) 1230, 1 (2007).
- Popesso, P., A. Biviano, H. Boehringer and M. Romaniello: RASS-SDSS galaxy cluster survey. V. (Popesso+, 2007). VODC 346, 10397 (2007).
- Porquet, D., N. Grosso, A. Goldwurm, M. Sakano, G. Belanger, P. Ferrando, G. Hasinger, B. Aschenbach, P. Predehl, Y. Tanaka, R. Genzel, F. Yusef-Zadeh, R.S.

- Warwick and F. Melia: Long duration outbursts from the two X-ray bursters AX J1745.6-2901 and GRS 1741.9-2853 suggested by XMM-Newton observations. *The Astronomer's Telegram (ATel)* 1058, 1 (2007).
- Primak, N., G. Szokoly, J. Greiner, C. Clemens, T. Kruehler, A. Kuepcue-Yoldas, A. Yoldas, S. Klose, A. Rossi and F. Carrier: GRB 070628: NIR detection of afterglow. *GCN Circ.* 6590, 1 (2007).
- Puccetti, S., F. Fiore, V. D'Elia, I. Pillitteri, C. Feruglio, A. Grazian, M. Brusa, P. Ciliegi, A. Comastri, C. Gruppioni, M. Mignoli, C. Vignali, G. Zamorani, F. LaFranca, N. Sacchi, A. Franceschini, S. Berta, H. Buttery and J.E. Dias: XMM-Newton survey of the ELAIS-S1 field (Puccetti+, 2006). *VODC 345*, 70501 (2007).
- Rau, A. and V. Burwitz: Optical Spectroscopy of Nova M31N 2007-07c. *The Astronomer's Telegram (ATel)* 1152, 1 (2007).
- Rau, A., V. Burwitz, D. Hatzidimitriou and S.B. Cenko: Correction to ATel 1152: Optical Spectroscopy of Nova M31N 2007-07c. *The Astronomer's Telegram (ATel)* 1153, 1 (2007).
- Rau, A., V. Burwitz, S.B. Cenko, A. Updike, D. Hartmann, P. Milne and G. Williams: Optical spectroscopy of the candidate nova M31N 2007-10b. *The Astronomer's Telegram (ATel)* 1242, 1 (2007).
- Sala, G., J. Greiner and F. Haberl: XMM-Newton observation of XTE J1856+053. *The Astronomer's Telegram (ATel)* 1062 (2007).
- Sala, G., M. Hernanz and C. Ferri: XMM-Newton observation of V5116 Sgr. *The Astronomer's Telegram (ATel)* 1184 (2007).
- Savaglio, S., E. Palazzi, P. Ferrero and S. Klose: GRB 060605 new redshift. *GCN Circ.* 6166, 1 (2007).
- Steehgs, D., J. Kennea, M.A.P. Torres, J. Miller, J. Homan, J. Greiner and G. Sala: Swift/XRT localisation of XTE J1856+053. *The Astronomer's Telegram* 1026, 1 (2007).
- Stefanescu, A., A. Slowikowska, G. Kanbach, S. Duscha, F. Schrey, H. Steinle and Z. Ioannou: GRB 070610: OPTIMA-burst high-time-resolution optical observations. *GCN Circ.* 6492, 1 (2007).
- Stefanescu, A., A. Slowikowska, G. Kanbach, S. Duscha, F. Schrey, H. Steinle and Z. Ioannou: GRB 070610: OPTIMA-burst detection of continued strong flaring activity. *GCN Circ.* 6508, 1 (2007).
- Stefanescu, A., A. Slowikowska, G. Kanbach, S. Duscha, F. Schrey, H. Steinle and Z. Ioannou: SWIFT J195509.6+261406 / GRB 070610: OPTIMA-burst observations. *GCN Circ.* 6532, 1 (2007).
- Stefanescu, A., S. Duscha, G. Kanbach, F. Schrey, A. Slowikowska and H. Steinle: GRB 070808: OPTIMA-burst optical upper limit. *GCN Circ.* 6723, 1 (2007).
- Stefanescu, A., W. Pietsch, V. Burwitz, D. Hatzidimitriou, J. Pöpsel, S. Binnewies, H. Ruder and G. Papamastorakis: New optical nova candidate in M31. *The Astronomer's Telegram (ATel)* 1198, 1 (2007).
- Stefanescu, A., Z. Ioannou, G. Kanbach, S. Duscha, F. Schrey, A. Slowikowska and H. Steinle: GRB070621: OPTIMA-burst optical upper limit. *GCN Circ.* 6564, 1 (2007).
- Stiele, H., W. Pietsch, F. Haberl, M. Freyberg and M.D. Trigo: XMM-Newton observation of two X-ray transients in M 31. *The Astronomer's Telegram* 1191, 1 (2007).
- Tozzi, P., R. Gilli, V. Mainieri, C. Norman, G. Risaliti, P. Rosati, J. Bergeron, S. Borgani, R. Giacconi, G. Hasinger, M. Nonino, A. Streblyanska, G. Szokoly, J.X. Wang and W. Zheng: X-ray properties of AGN in CDFS (Tozzi+, 2006). *VODC 345*, 10457 (2007).
- Trigo-Rodriguez, J.M., P. Abraham, A. Konkoly, R. Barrena, P. Montanes-Rodriguez, M.F. Nunez, J. Lecacheux, F. Colas, B. Gaillard, A. Arai, M. Uemura, M. Sasada, K.S. Kawabata, T. Yamashita, T. Yasuda, R. Matsui, H. Tanaka, O. Nagae, M. Isogai, T. Ohsugi, R. Furusho, J. Watanabe, M. Kino, S. Sato, M. Montalto, A. Riffeser, S. Wilke, U. Hopp, Z. Sekanina and K. Kadota: Comet 17P/Holmes. *IAU Telegram* 1118, 1 (2007).
- Troja, E., K. Page and S. McBreen: GRB 070406: Swift XRT team analysis - possible X-ray. *GCN Circ.* 6255, 1 (2007).
- Troja, E., K.L. Page, J. Racusin, S. McBreen, J.P. Osborne, V. La Parola, D.N. Burrows and N. Gehrels: GRB 070406: Swift XRT team further analysis. *GCN Circ.* 6265, 1 (2007).
- Troja, E., K.L. Page, S. McBreen, D.N. Burrows and N. Gehrels: GRB 070406: Swift XRT refined analysis. *GCN Circ.* 6298, 1 (2007).
- Turler, M., S. Balman, A. Bazzano, V. Beckmann, T. Belloni, S. Boggs, F. Capitanio, J. Chenevez, M. Del Santo, R. Diehl, I. Donnarumma, D. Eckert, P. Goldoni, D. Gotz, J.-C. Leyder, S. Mereghetti, A. Paizis, K. Pottschmidt, L. Sidoli, A. Tarana, J. Tueller, R. Walter, K. Watanabe and G. Weidenspointner: INTEGRAL observation of a bright X-ray outburst of XTE J1739-302 / IGR J17391-3021. *The Astronomer's Telegram (ATel)* 1019, 1 (2007).
- Turler, M., S. Balman, A. Bazzano, V. Beckmann, T. Belloni, S. Boggs, F. Capitanio, J. Chenevez, M. Del Santo, R. Diehl, I. Donnarumma, D. Eckert, C. Ferrigno, P. Goldoni, D. Gotz, J.-C. Leyder, S. Mereghetti, A. Paizis, K. Pottschmidt, C. Sanchez-Fernandez, L. Sidoli, A. Tarana, J. Tueller, R. Walter, K. Watanabe and G. Weidenspointner: IGR J17191-2821: a new hard X-ray transient detected by INTEGRAL. *The Astronomer's Telegram (ATel)* 1021, 1 (2007).
- Ukwatta, T., S.D. Barthelmy, J. Cummings, E. Fenimore, N. Gehrels, H. Krimm, C. Markwardt, S. McBreen, D. Palmer, T. Sakamoto, G. Sato, M. Stamatikos and J. Tueller: GRB 071101, Swift-BAT refined analysis. *GCN Circ.* 7039, 1 (2007).

Poster

- Aschenbrenner, T. et al.: Quantitative description of synchronization in electrical brain activity, European Conference on Complex Systems, Dresden, Germany, October 2007.
- Bauer, M. et al.: Röntgenbild der Starburstgalaxie NGC 253, Max-Planck Institut für extraterrestrische Physik, München, Germany, May 2007.
- Braglia, F. et al.: Flaming bright galaxies along filaments in A2744, Tracing Cosmic Evolution with Galaxy Clusters: Six Years Later, Sesto Di Pusteria, Italy, June 2007.
- Bunescu, C. et al.: Cluster/FAST conjunctions as a tool to investigate auroral acceleration, EGU General Assembly, Vienna, Austria, April 2007.
- Chaudhuri, M. et al.: Characterization of the electrostatic potential behind an absorbing dust particle in highly collisional drifting plasma, 34th EPS Conference on Plasma Physics, Warsaw, Poland, July 2007.
- Coccatto, L. et al.: VLT/VIMOS Integral field kinematics of the Giant Low Surface Brightness galaxy ESO 323-G064, Formation and evolution of galaxy disks, Vatican Observatory, Rome, Italy, October 2007.
- Collmar, W. et al.: Recent Multifrequency Campaigns of the Gamma-Ray Blazar 3C 279, First GLAST Symposium, Stanford, USA, February 2007.
- Das, P. et al.: Dynamics and dark matter halo of NGC 5846, Galaxy growth in a dark universe, Heidelberg, Germany, July 2007.
- Das, P. et al.: The Dark Matter Haloes and Orbital Structure of Elliptical Galaxies, Science Week, Excellence Cluster Universe, Garching, Germany, December 2007.
- Eisenhauer, F. et al.: GRAVITY: microarcsecond astrometry and deep interferometric imaging with the VLTI, A Giant Step: from Milli- to Micro-arcsecond Astrometry, Shanghai, China, October 2007.
- Fabricius, M. et al.: VIRUS-WA Fiber Based Integral Field Unit Spectrograph for the Study of Galaxy Bulges, IAUS 245 Formation and Evolution of Galaxy Bulges University of Oxford, UK, July 2007.
- Henze, M. et al.: Treasure Hunting in the Archive: A Systematic Nova Search in M31 on a Large Number of Schmidt plates, 80th Annual Scientific Meeting of the Astronomische Gesellschaft jointly with the 5th biennial Workshop Astroparticle Physics in Germany, Würzburg, Germany, September 2007.
- Hicks, E. et al.: Kinematics of Stars and Gas in the Central 100 pc of AGN, Dynamics of Galaxies, St. Petersburg, Russia, August 2007.
- Kleckner, B. et al.: Ionic charge states of solar energetic particles: a survey of interplanetary shock related events, EGU General Assembly, Vienna, Austria, April 2007.
- Kretschmer, K. et al.: Massive stars in the inner Galaxy mapped with SPI/INTEGRAL 26Al 1.8 MeV line observations, 80th Annual Scientific Meeting of the Astronomische Gesellschaft jointly with the 5th biennial Workshop on Astroparticle Physics, Würzburg, Germany, September 2007.
- Lang, M. et al.: Observations of ^{60}Fe in the Galaxy with INTEGRAL/SPI, 80th Annual Scientific Meeting of the Astronomische Gesellschaft jointly with the 5th biennial Workshop on Astroparticle Physics, Würzburg, Germany, September 2007.
- Lutz, D. et al.: PACS Evolutionary Probe: Deep Extragalactic Surveys with Herschel-PACS, Herschel observation planning workshop, Villafranca, Spain, September 2007.
- Lutz, D. et al.: PACS Evolutionary Probe: Deep Extragalactic Surveys with Herschel-PACS, Herschel Open Time Key Program Workshop, Noordwijk, The Netherlands, February 2007.
- Marghitu, O. et al.: Auroral electrodynamics on arc and oval scales: Insights from a new technique, EGU General Assembly, Vienna, Austria, April 2007.
- Merloni, A. et al.: Towards a full AGN synthesis model: Unveiling black holes' growth with deep X-ray surveys, Excellence Cluster Universe Science Week, München, Germany, December 2007.
- Mitic, S. et al.: Convective dust clouds in a complex plasma, Interrelationship between Plasma Experiments in Laboratory and Space (IPELS 2007), Cairns, Australia, August 2007.
- Monetti, R. et al.: Application of the Scaling Index Method to uCT Images of Human Trabecular Bone for the Characterization of Biomechanical Strength, SPIE Conference on Medical Imaging, San Diego, USA, February 2007.
- Mueller Sanchez, F. et al.: SERPIL/LIINUS: a design study for a Near-Infrared Interferometric Integral-field Spectrometer for the LBT, DGA Splinter meeting, Würzburg, Germany, September 2007.
- Mueller Sanchez, F. et al.: SERPIL: a Near-Infrared Interferometric Integral-field Spectrometer for the LBT, Active Galactic Nuclei at the highest angular resolution: Theory and Observations, Torun, Poland, September 2007.
- Müller, A.: Probing Black Holes with Gravitationally Redshifted Emission Lines, Spring Symposium 'Black Holes', Space Telescope Science Institute (STScI), Baltimore, USA, April 2007.
- Müller, T.G. et al.: 3.2 mm lightcurve observations of (4) Vesta and (9) Metis with the Australia Telescope Compact Array, European Geosciences Union, General Assembly 2007, Planetary and Solar System Sciences Programme, Vienna, Austria, April 2007.
- Noyola, E. et al.: Evidences for the presence of an intermediate mass black hole in Omega Centauri, 2007 STScI spring symposium: Black Holes, Baltimore, USA, April 2007.
- Orlando, E. et al.: GLAST detectability of gamma-ray emission from photon fields of luminous stars, First GLAST Symposium, Stanford, USA, February 2007.
- Orlando, E. et al.: The extended solar emission - an

analysis of EGRET data, 1st GLAST Science Symposium, Stanford, USA, February 2007.

Räth, C. et al.: Analyzing μ CT images of bone specimen with wavelets and scaling indices: Which texture measure does better to depict the trabecular bone structure?, Medical Imaging 2007: Image Processing, San Diego, USA, February 2007.

Sala, G. et al.: The black-hole transients XTE J1817-330 and XTE J1856+053, International Conference on Astrophysics of Compact Objects, Huangshan, China, July 2007.

Schwabe, M. et al.: Self-Excited Density Waves in a Complex Plasma with Thermophoresis, The 9th International Workshop on the Interrelationship between Plasma Experiments in Laboratory and Space, Palm Cove, Australia, August 2007.

Shimizu, S. et al.: Microcrystalline diamond growth on seed particles and thermophoretic effect on levitated fine diamond particles in an RF plasma sheath, 18th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes, and Nitrides, Berlin, Germany, September 2007.

Stefanescu, A. et al.: OPTIMA-Burst A High Time Resolution Instrument for GRB Afterglow Studies, 070228: The Next Decade of GRB Afterglows, Amsterdam, The Netherlands, March 2007.

Stefanescu, A. et al.: OPTIMA-Burst Catching GRB Afterglows (and other Transients) with High Time Resolution, Cosmic Matter 80th Annual Scientific Meeting of the Astronomische Gesellschaft jointly with the 5th biennial Workshop on Astroparticle Physics, Würzburg, Germany, September 2007.

Stiele, H. et al.: A deep XMM-Newton survey of M 31, 80th Annual Scientific Meeting of the Astronomische Gesellschaft jointly with the 5th biennial Workshop Astroparticle Physics in Germany, Würzburg, Germany, September 2007.

Strong, A.W. et al.: The nature of the diffuse emission above 100 keV from the Galactic ridge, 1st GLAST Science Symposium, Stanford, USA, February 2007.

Sturm, E. et al.: Star formation and activity in infrared bright galaxies at $0 < z < 1$. A PACS GT Key Programme, Herschel Open Time Key Projects Workshop, ESTEC, Noordwijk, The Netherlands, February 2007.

Ulubay-Siddiki, A. et al.: Self-Gravitating Warped Disks around Supermassive Black Holes, Summer School "Active Galactic Nuclei at the Highest Angular Resolution: Theory and Observations", Torun, Poland, August 2007.

Ventimiglia, G. et al.: Intracluster Stars in Nearby Galaxy Cluster, Tracing cosmic evolution with clusters of galaxies: 6 years later, Sesto Pustaria (BZ), Italy, June 2007.

Volwerk, M. et al.: Magnetospheric response to a fast flow in the tail: A THEMIS approaching configuration study, EGU General Assembly 2007, Vienna, Austria, April 2007.

von Kienlin, A. et al.: Calibration of the GLAST Burst Monitor detectors, First GLAST Symposium, Stanford, USA, February 2007.

von Kienlin, A. et al.: High-Energy Calibration of a BGO detector of the GLAST Burst Monitor, First GLAST Symposium, Stanford, USA, February 2007.

Yaroshenko, V. V. et al.: Excitation of dust density waves in dusty plasmas of planetary rings, ICPIG 2007, Prague, Czech Republic, July 2007.

Zhdanov, S. et al.: "Quasi-molecules" of microparticles in complex plasmas under microgravity conditions and in ground-based laboratory experiments, Molecules in Space & Laboratory, Paris, France, May 2007.

Zhdanov, S. et al.: Circulation' dynamo in complex plasma, EGU General Assembly 2007, Vienna, Austria, April 2007.

Zhdanov, S. et al.: Dislocation nucleation and motion observed in a plasma crystal, International Union of Theoretical and Applied Mechanics, IUTAM Symposium: Multiscale Plasticity of Crystalline Materials, Eindhoven, The Netherlands, November 2007.

Zibetti, S. et al.: Do fossil poor clusters challenge CDM?, Tracing Cosmic Evolution with Clusters of Galaxies: Six Years Later, Sesto, Italy, June 2007.

Talks

Ajello, M.: The Cosmic X-ray background with Swift/BAT, contributed talk, What's next for Swift, State College, Penn State, USA, May 2007.

Ajello, M.: The Cosmic X-ray background with Swift/BAT, contributed talk, X-ray Surveys: Evolution of accretion, Star-formation and the Large Scale Structure, Rhodes, Greece, July 2007.

Ajello, M.: Studies of AGN and the Cosmic X-ray background, colloquium, Osservatorio Astronomico di Brera, Italy, October 2007.

Andritschke, R.: eROSITA, contributed talk, SPIE Optics+Photonics 2007, San Diego, USA, August 2007.

Andritschke, R.: Fast large-area spectroscopic and imaging CCD detectors for X-ray astronomy with eROSITA

and for exploration of the nanocosmos, contributed talk, SPIE Optics + Photonics 2007, San Diego, USA, August 2007.

Aschenbach, B.: Drehimpulsmessungen von Schwarzen Löchern, invited talk, Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Heidelberg, Germany, March 2007.

Aschenbach, B.: Measurements of mass and spin of black holes with QPOs, invited talk, Multifrequency Behaviour of High Energy Cosmic Sources, Vulcano, Italy, May 2007.

Bauer, M.: The Diffuse X-ray Emission in the Starburst Galaxy NGC 253, contributed talk, EPIC Consortium Meeting 2007, Leicester, UK, September 2007.

Bauer, M.: The Diffuse X-ray Emission in the Starburst

- Galaxy NGC 253, contributed talk, X-rays from Nearby Galaxies, Villafranca del Castillo, Madrid, Spain, September 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, colloquium, University of Nevada, Las Vegas, USA, September 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, invited talk, Searching & Timing - toward the SKA, Krabi, Thailand, April 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, colloquium, University of California, Berkeley, USA, Theoretical astrophysics center, August 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, colloquium, San Diego State University, Department of Physics, San Diego, USA, August 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, colloquium, University of Montana, Bozeman USA, September 2007.
- Becker, W.: Future optical and X-ray observatories for pulsar studies, colloquium, Istituto Nazionale di astrofisica, Osservatorio Astrofisico di Arcetri, Florence, Italy, September 2007.
- Becker, W.: Future Optical and X-ray Observatories for Pulsars, invited talk, Astrophysics of neutron stars, Istanbul, Turkey, July 2007.
- Becker, W.: Neue Großteleskope für die Astrophysik, colloquium, Fachhochschule Ravensburg-Weingarten, Germany, October 2007.
- Becker, W.: Neutronensterne und Pulsare, public talk, Volkssternwarte München, March 2007.
- Becker, W.: Studying rotation-powered pulsars with Simbol-X, contributed talk, Simbol-X Workshop, Bologna, Italy, May 2007.
- Becker, W.: Synergies with other Facilities, invited talk, Pulsar Key Science with the SKA, Krabi, Thailand, April 2007.
- Becker, W.: Vom Leben und Sterben der Sterne, public talk, Geologische Staatssammlung München, November 2007.
- Becker, W.: X-ray emission properties of old pulsars, contributed talk, MPE Science Meeting, Garching, March 2007.
- Becker, W.: X-ray emission properties of old pulsars, contributed talk, Eight years of Science with Chandra, Huntsville, USA, October 2007.
- Becker, W.: X-ray emission properties of old pulsars, invited talk, The Neutron Star Crust and Surface, Seattle USA, June 2007.
- Bender, R.: Black Holes, colloquium, Universität Bonn, Germany, February 2007.
- Bender, R.: Dark Energy, colloquium, Universität Braunschweig, Germany, January 2007.
- Bender, R.: Formation of Bulges, invited talk, Workshop on Surveys, Schloß Ringberg, Germany, April 2007.
- Bender, R.: M31 Black Hole, invited talk, Excellence Cluster Kick-off Meeting, Garching, Germany, October 2007.
- Bender, R.: M31 Black Hole, invited talk, Workshop on Galactic Center, Schloß Ringberg, Germany, June 2007.
- Blagau, A.: Determining the crossing parameters for a 2D, non-planar magnetopause by the use of timing technique, contributed talk, AEF/DPG Tagung, Regensburg, Germany, March 2007.
- Blagau, A.: Observation of Reconnection at the Magnetopause: Open Issues, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Blagau, A.: Timing technique for determining the crossing parameters of a 2D, non-planar magnetopause, contributed talk, Solar-Terrestrial Interactions – from Microscales to Global Models (STIMM 2 Workshop), Sinaia, Romania, June 2007.
- Böhringer, H.: Cluster Structure and Cosmology, contributed talk, MPE Science day, Garching, Germany, March 2007.
- Böhringer, H.: Cosmology with Galaxy Clusters, invited talk, Excellence Cluster Research Area E kick-off meeting, München, Germany, July 2007.
- Böhringer, H.: Die Neue Kosmologie, public talk, Lange Nacht der Wissenschaften, Garching, Germany, October 2007.
- Böhringer, H.: Die Neue Kosmologie, public talk, Planetarium Göttingen, Germany, January 2007.
- Böhringer, H.: Galaxy Clusters in PanSTARRS 1, contributed talk, PanSTARRS workshop, Schloß Ringberg, Germany, April 2007.
- Böhringer, H.: Statistical Properties of Galaxy Clusters, invited talk, XMM-Newton, the Next Decade, Madrid, Spain, June 2007.
- Böhringer, H.: Status of the XMM Large Programme, contributed talk, Workshop on Galaxy Cluster Structure, Frauenwörth, Chiemsee, Germany, May 2007.
- Böhringer, H.: Studies of Galaxy Clusters, invited talk, XEUS workshop, University College London, UK, April 2007.
- Böhringer, H.: Surveying X-ray Galaxy Cluster Structure and Cosmological Applications, invited talk, XMM-Newton EPIC Consortium Meeting, Leicester, UK, September 2007.
- Böhringer, H.: The past and future of X-ray galaxy cluster surveys, invited talk, Tracing Cosmic Structure Evolution with Galaxy Clusters, Sesto Pusteria, Italy, June 2007.
- Böhringer, H.: X-ray Galaxy Clusters Surveys, invited talk, X-ray Surveys, Rhodes, Greece, July 2007.
- Böhringer, H.: X-ray Studies of Galaxy Cluster Structure, colloquium, Institute of Astronomy Colloquium, Cambridge, UK, October 2007.
- Böhringer, H.: X-ray Studies of galaxy Cluster Structure, colloquium, Colloquium of the Institute of Astronomy, University of Illinois at Urbana-Champaign, USA, November 2007.
- Boller, Th.: 7 years of dedicated service with the new generation of X-ray telescopes; What have we really

- learned?, invited talk, Multifrequency behaviour of High Energy Cosmic Sources, Frascati workshop, Vulcano, Italy, May 2007.
- Boller, Th.: Anfang und Ende des Universums, public talk, Max-Planck Hauptversammlung, Kiel, Germany, June 2007.
- Boller, Th.: Anfang und Ende des Universums: Was mit uns geschehen wird, public talk, Die Lange Nacht der Wissenschaften, Garching, Germany, October 2007.
- Boller, Th.: Aus dem Leben einer Hochbegabten, invited talk, Fernsehaufzeichnung des Hessischen Rundfunks, Hessenschau, Frankfurt, Germany, June 2007.
- Boller, Th.: Der Urknall und das Ende des Universums, public talk, Evangelische Kirche Freising, Germany, December 2007.
- Boller, Th.: Die wahre Geschichte des Sterns von Bethlehem, public talk, Evangelische Kirche Eching, Germany, December 2007.
- Boller, Th.: Die Welt der Galaxien und Schwarzen Löcher, public talk, Volkshochschule Stuttgart, Germany, June 2007.
- Boller, Th.: Eine Reise vom Anfang bis ans Ende der Welt, public talk, Johanniter Orden Südbayern, München, Germany, February 2007.
- Boller, Th.: IMPRS in Germany; The CPT view, invited talk, MPG workshop in Shanghai, Shanghai, China, June 2007.
- Boller, Th.: Irrtümer, wishful thinking und gesichertes Wissen der Astrophysik, public talk, Rotary Klub München Flughafen, Munich Airport, Germany, December 2007.
- Boller, Th.: Matter under extreme gravity, invited talk, Workshop on experimental opportunities for nuclear astrophysics at the Frankfurt neutron source of the Stern-Gerlach-Zentrum - The FRANZ Neutron Source, Karlsruhe/Frankfurt, Germany, May 2007.
- Boller, Th.: On the detection of a broad and redshifted soft X-ray line in the bright NLS1 galaxy Mrk 110, invited talk, XEUS: Visions of the Extreme Universe, London, UK, April 2007.
- Boller, Th.: Schwarze Löcher, Monster im Weltraum, public talk, Max-Planck Hauptversammlung, Pinneberg, Germany, June 2007.
- Boller, Th.: Strong Gravity around Supermassive Black Holes, invited talk, The Third International Workshop on Astronomy and Relativistic Astrophysics, Joao Pessoa, Brasil, October 2007.
- Boller, Th.: Urknall, Schwarze Löcher, Das Ende des Universums, public talk, Rotary Klub München, München, Germany, March 2007.
- Boller, Th.: Wenn Sterne sterben, public talk, Rotary Klub Germering, Germany, September 2007.
- Bouché, N.: A first comparison of the kinematic properties of different samples at $z \sim 1.5-2.5$, contributed talk, Galaxy growth in a dark Universe, Heidelberg, Germany, July 2007.
- Bouché, N.: A SIMPLE way to identify MgII absorbers, colloquium, University of Chicago, USA, March 2007.
- Bouché, N.: A SIMPLE way to study superwinds at $z > 1$, colloquium, University of Santa Barbara, USA, February 2007.
- Bouché, N.: From MgII Absorbers to a SIMPLE way to study superwinds, colloquium, Institute of Astronomy, Cambridge, UK, June 2007.
- Bouché, N.: The SINFONI MgII Program for Line Emitters (SIMPLE): a SIMPLE way to study superwinds at $z = 1$, colloquium, Universidad de Concepcion, Chile, November 2007.
- Bouché, N.: The SINFONI MgII program for Line Emitters (SIMPLE): A SIMPLE way to study superwinds, invited talk, Gas Accretion and Star Formation in Galaxies, Garching, Germany, September 2007.
- Bouché, N.: What can SINFONI do for you?, colloquium, Observatoire Astrophysique de Marseille Provence, Marseille, France, December 2007.
- Bouché, N.: What do QSO absorbers and superwinds have in common?, colloquium, Tucson, USA, Feb 2007.
- Braglia, F.: Giant star-forming galaxies along filaments infalling on a massive cluster, contributed talk, REXCESS Workshop, Frauenwörth, Chiemsee, Germany, May 2007.
- Brusa, M.: Evolution of supermassive black holes from large area X-ray surveys, invited talk, Science week, München, Germany, October 2007.
- Brusa, M.: Stacking photons in large and deep X-ray surveys, invited talk, 8 years of science with Chandra, Huntsville, USA, October 2007.
- Brusa, M.: The AGN content of the cosmos, invited talk, Scientific meeting of MPE, München, Germany, March 2007.
- Brusa, M.: The most obscured AGN in COSMOS, contributed talk, COSMOS meeting, New York, USA, June 2007.
- Brusa, M.: The most obscured and highest redshift AGN in COSMOS, invited talk, X-ray surveys: evolution of accretion, star formation and the large scale structure, Rhodos, Greece, July 2007.
- Brusa, M.: The XMM-COSMOS survey: results and perspectives, colloquium, Space Telescope Science Institute, Baltimore, USA, September 2007.
- Brusa, M.: The XMM-Newton COSMOS survey: results and perspectives, invited talk, XMM-Newton: the next decade, ESAC-Villafranca de Castilla-Madrid, Spain, June 2007.
- Brusa, M.: X-ray selected obscured AGN in COSMOS, contributed talk, Obscured AGN accross cosmic time, Seon, Germany, June 2007.
- Bunk, W.: Scaling Index Method - Examples from the Fields of Medical Diagnostics., invited talk, European Space Technology Transfer Conference 2007, München, Germany, October 2007.
- Bunk, W.: Vom Kosmos zur Medizin - Bilder und ihre Auswertung, invited talk, BVM Workshop Bildverarbeitung für die Medizin, München, Germany, March 2007.
- Burwitz, V.: High-Resolution X-ray Spectroscopy of Super Soft X-Ray Sources with XMM-Newton and Chandra,

- contributed talk, MPE Science Meeting, Garching, March 2007
- Burwitz, V.: Cross-calibration results from observations of the INS RX J1856, and the WDs HZ 43 and Sirius B, invited talk, International Astrophysical Consortium for High Energy Calibration, Lake Arrowhead, California, USA, May 2007
- Burwitz, V.: The complex and variable X-ray spectra of the super-soft source RXJ0513.9-6951, contributed talk X-ray Grating Spectroscopy Workshop, Cambridge, MA, USA, July 2007
- Burwitz, V.: Super-soft X-ray sources in the LMC, contributed talk, EPIC Consortium Meeting Leicester, September 2007
- Burwitz, V.: Classifying X-ray Supersoft sources in M31, colloquium, Astronomy Department University of Crete, Heraklion, Greece, November 2007
- Cappelluti, N.: Clustering of AGN in the COSMOS Field, contributed talk, X-ray surveys conference, Rhodes, Greece, July 2007.
- Cappelluti, N.: Status of the XMM-COSMOS survey, contributed talk, COSMOS meeting, New York, USA, June 2007.
- Cappelluti, N.: The XMM-COSMOS survey, contributed talk, EPIC Consortium meeting, Leicester, UK, September 2007.
- Chaudhuri, M.: Complex plasma research under Microgravity conditions, colloquium, Saha Institute of Nuclear Physics, Kolkata, India, October 2007.
- Chaudhuri, M.: A probable experimental procedure to calculate interaction potential in complex plasma, contributed talk, PK-3 Plus & PK-4 Science Meeting, Schloß Ringberg, Germany, January 2007.
- Chaudhuri, M.: Characterization of the electrostatic potential behind an absorbing dust particle in highly collisional drifting plasma, contributed talk, 1st Workshop on the „Dust in Fusion Plasmas“: Satellite Meeting of the 34th EPS Conference on Plasma Physics, Warsaw, Poland, July 2007.
- Chaudhuri, M.: Complex plasma research under Microgravity conditions, contributed talk, 58th International Astronautical Congress, Hyderabad, India, September 2007.
- Chaudhuri, M.: Effect of plasma absorption on the total force acting on a spherical grain in a highly collisional drifting plasma, contributed talk, 34th European Physical Society Conference on Plasma Physics, Warsaw, Poland, July 2007.
- Chaudhuri, M.: Importance of plasma absorption to characterize the total force acting on a dust particle in highly collisional drifting plasma, contributed talk, 2nd International Conference on Dusty plasmas in applications, Odessa, Ukraine, August 2007.
- Coccatto, L.: Planetary Nebulae as dynamical tracers in elliptical galaxies, contributed talk, Group retreat at Ringberg castle - MPE, Schloß Ringberg, Germany, April 2007.
- Collmar, W.: The MeV Point-Source Sky during the COMPTEL Mission, contributed talk, First GLAST Symposium, Stanford, USA, February 2007.
- Cresci, G.: Modeling the dynamics of high-z galaxies with SINFONI and LGS, contributed talk, Astronomy with LGS Adaptive Optics, Schloß Ringberg, Germany, November 2007.
- Davies, R.: A Connection between AGN Activity and Nuclear Star Formation in Seyfert Galaxies, contributed talk, AGN Across Cosmic Time, Seeon, Germany, May 2007.
- Davies, R.: AO assisted spectroscopy with SINFONI, invited talk, The 2007 ESO Instrument Calibration Workshop, Garching, Germany, January 2007.
- Davies, R.: Exploring the Starburst-AGN Connection on 10pc scales with Adaptive Optics, invited talk, Galaxy and Black Hole Evolution: Towards a Unified View, Tucson, USA, November 2007.
- Davies, R.: Exploring the Starburst-AGN Connection on 10pc scales with Adaptive Optics, colloquium, Cavendish Lab, Cambridge, UK, October 2007.
- Davies, R.: Laser Guide Star Adaptive Optics without Tip-Tilt, contributed talk, Astronomy with Laser Guide Star Adaptive Optics, Schloß Ringberg, Germany, October 2007.
- De Lorenzi, F.: Constraining the Internal Dynamics of Stellar Systems Using the NMAGIC Particle Code, contributed talk, Formation and Evolution of Galaxy Bulges, Oxford, UK, July 2007.
- Dennerl, K.: X-rays from Comets, Venus, and Mars, invited talk, Eight Years of Science with Chandra, Huntsville, USA, October 2007.
- Dennerl, K.: X-rays from non-magnetic bodies, invited talk, 4th Annual Meeting of the Asia Oceania Geosciences Society (AOGS 2007), Bangkok, Thailand, August 2007.
- Dennerl, K.: X-rays from Venus observed with Chandra, contributed talk, Venus Ground-Based Observation Workshop, ESTEC/Noordwijk, The Netherlands, December 2007.
- Diehl, R.: 26Al Diagnostics of Massive Stars in the Galaxy, contributed talk, MPE Science Meeting, Garching, Germany, March 2007.
- Diehl, R.: 26Al studies with INTEGRAL, contributed talk, „Nuclear Astrophysics 1957-2007 - Beyond the first fifty years“, Pasadena, USA, July 2007.
- Diehl, R.: Astrophysics at MeV Energies, invited talk, Annual Meeting of the German Astronomical Society, Würzburg, Germany, September 2007.
- Diehl, R.: Gamma-Ray Astrophysics, invited talk, Third VISTARS Workshop on Nuclear Astrophysics, Russbach, Austria, March 2007.
- Diehl, R.: Nuclear Astrophysics with Astronomical Gamma-Ray Line Observations, invited talk, Workshop on Nuclear Physics in Germany, Schleching, Germany, February 2007.
- Diehl, R.: Nucleosynthesis in the Galaxy and Radioactivity Gamma-Rays, contributed talk, Annual Meeting of the American Physics Society, Jacksonville, USA, April 2007.

- Diehl, R.: Observations of Cosmic Elements in Characteristic High-Energy Line Emission, contributed talk, Excellence Cluster „Origin and Evolution of the Universe“, Opening Meeting, Research Area „Cosmic Elements“, Garching, Germany, January 2007.
- Diehl, R.: Observations of Radioactive Nuclei with INTEGRAL, invited talk, FRANZ Workshop, Universität Frankfurt, Germany, May 2007.
- Diehl, R.: Observing Cosmic Nuclei with Gamma-Ray Telescopes, invited talk, Lawrence Livermore National Laboratory, Astrophysics Colloquium, Livermore, USA, July 2007.
- Diehl, R.: Observing Cosmic Nuclei with Gamma-Ray Telescopes, invited talk, IEEC Astrophysics Institute, Astrophysics Seminar, Barcelona, Spain, June 2007.
- Diehl, R.: Observing Cosmic Nuclei with Gamma-Ray Telescopes, invited talk, Third European Conference on Nuclear Physics in Astrophysics, Dresden, Germany, March 2007.
- Diehl, R.: Positrons from Cosmic Rays & Status 26A1 Studies, contributed talk, International Workshop on Positron Annihilation at ISSI, Bern, Switzerland, October 2007.
- Diehl, R.: Radioactivity gamma-rays and massive star interactions with their surroundings, invited talk, Science Week of the Excellence Cluster „Origin and Evolution of the Universe“, Garching, Germany, December 2007.
- Diehl, R.: The MeV Sky and its Possible Connections to Positron Annihilation, invited talk, January Workshop on Positron Annihilations at ISSI, Bern, Switzerland, January 2007.
- Eisenhauer, F.: A sharp look at the Galactic Center: Where we are and where we go, invited talk, Hauptkolloquium MPIFR und AIUB, Bonn, Germany, November 2007.
- Eisenhauer, F.: A sharp look to the Galactic Center black hole: where we are and where we go, invited talk, Excellence Cluster Area F Science Meeting, Garching, Germany, October 2007.
- Eisenhauer, F.: GRAVITY - Continuing a dream..., contributed talk, EII Meeting, Heidelberg, Germany, February 2007.
- Eisenhauer, F.: GRAVITY: Microarcsecond astrometry and deep interferometric imaging with the VLT, contributed talk, Science with the VLT in the ELT Era, ESO, Garching, Germany, October 2007.
- Eisenhauer, F.: GRAVITY: Microarcsecond astrometry and deep interferometric imaging with the VLTI or Probing GRAVITY close to the Schwarzschild horizon, invited talk, DFG - NSF Astrophysics Research Conference, Washington, USA, June 2007.
- Eisenhauer, F.: The Galactic Center: The Nearest Laboratory for Studying Supermassive Black Holes, colloquium, Theoretisch-Physikalisches Kolloquium, Technical University, Garching, Germany, July 2007.
- Eisenhauer, F.: The next steps in GC research: Infrared, Celebrating 15 years of precision astronomy in the Galactic Center - Hot topics and observational challenges, invited talk, Ringberg Conference, Schloß Ringberg, Germany, June 2007.
- Förster Schreiber, N.M.: Assembly and build-up of the most massive galaxies at $z \sim 2$ with COSMOS and SINFONI, contributed talk, Annual COSMOS Meeting, New York, USA, June 2007.
- FörsterSchreiber, N.M.: High redshift science with Adaptive Optics: highlights from the SINS survey, contributed talk, Conference: Astronomy with Laser Guide Star Adaptive Optics, Schloß Ringberg, Germany, October 2007.
- Förster Schreiber, N.M.: Highlights on star formation in high redshift galaxies from SINFONI, invited talk, Conference: Gas accretion and star formation in galaxies, Garching, Germany, September 2007.
- Förster Schreiber, N.M.: New insights on high-redshift galaxies from SINS, colloquium, Department of Astrophysical Sciences, Princeton University, USA, November 2007.
- Förster Schreiber, N.M.: Nouvelles perspectives sur l'évolution des galaxies par des études détaillées à grand redshift, invited talk, Annual Meeting of the Centre Observatoire du mont Mégantic, Val David, Canada, March 2007.
- Förster Schreiber, N.M.: SINS: Probing the early stages of galaxy evolution with SINFONI and NACO, contributed talk, ESO Workshop: Science with the VLT in the ELT era, Garching, Germany, October 2007.
- Förster Schreiber, N.M.: SINS: the high redshift galaxy spectroscopic imaging survey in the near-IR with SINFONI, colloquium, Conference: Galaxy growth in a dark Universe, Heidelberg, Germany, July 2007.
- Förster Schreiber, N.M.: Spatially-resolved dynamics, morphologies, and star formation properties of $z \sim 2$ galaxies and constraints on their assembly and evolution, contributed talk, Annual meeting of the DFG Schwerpunkt Program 1177, Bad Honnef, Germany, October 2007.
- Förster Schreiber, N.M.: The assembly of high redshift galaxies, colloquium, Physics, Engineering Physics and Astronomy Department, Queen's University, Kingston, Canada, March 2007.
- Förster Schreiber, N.M.: The SINS survey of high-redshift star-forming galaxies: probing early stages of galaxy evolution with SINFONI, invited talk, Max-Planck-Institut für Astrophysik, Garching, Germany, October 2007.
- Genzel, R.: Black Holes in Galaxies, colloquium, Werner Heisenberg Institute, München, Germany, November 2007.
- Genzel, R.: Black Holes in Galaxies, public talk, Rutgers University, Annual Physics Irons Lecture, Piscataway, USA, March 2007.
- Genzel, R.: Dynamics of High Redshift Galaxies, colloquium, Rutgers University, Piscataway, USA, March 2007.
- Genzel, R.: High-z Galaxy Dynamics, invited talk, University of Groningen, NOVA Colloquium, Groningen, The Netherlands, May 2007.
- Genzel, R.: High-z Galaxy Dynamics, invited talk, University of Leiden, NOVA Colloquium, Leiden, The Netherlands, May 2007.

- Genzel, R.: Massereiche Schwarze Löcher und Galaxien, colloquium, Studium Generale, University of Stuttgart, Germany, July 2007.
- Genzel, R.: Massive Schwarze Löcher und Galaxien, invited talk, Einstein-Haus, Verleihung der Einstein-Medaille, Bern, Switzerland, June 2007.
- Genzel, R.: New Multiwavelength Observations of SgrA* Flares, colloquium, University of California, Theory Seminar, Berkeley, USA, August 2007.
- Genzel, R.: Review of Observations, invited talk, Star Formation, Then and Now, Conference, University of California, Kavli Institute for Theoretical Physics, Santa Barbara, USA, August 2007.
- Genzel, R.: Spatially Resolved Dynamics of High Redshift Galaxies, colloquium, Steward Observatory/NOAO, Tucson, USA, February 2007.
- Genzel, R.: Star Formation at High Redshift, colloquium, University of California, Kavli Institute for Theoretical Physics Program: Star Formation through Cosmic Time, Santa Barbara, USA, August 2007.
- Genzel, R.: Studying Galaxy Formation: Dynamics of High-z Galaxies, colloquium, University of Bern, Switzerland, June 2007.
- Genzel, R.: The Black Hole at the Galactic Center, invited talk, Spring Symposium, Space Science Telescope Institute (STScI), Baltimore, USA, April 2007.
- Genzel, R.: The Lurking Black Hole in the Galactic Center, invited talk, AGN ESO Workshop, Seon, Germany, June 2007.
- Genzel, R.: The Massive Black Hole and Nuclear Star Cluster of the Milky Way, invited talk, Darwin Lecture of the Royal Astronomical Society, Preston, UK, April 2007.
- Genzel, R.: The Nuclear Star Cluster and Central Massive Black Hole, colloquium, Kavli Institute for Theoretical Physics, University of California, Santa Barbara, USA, August 2007.
- Genzel, R.: Universal Star Formation Law, colloquium, University of California, Berkeley, USA, February 2007.
- Gerhard, O.E.: Baryonic and Dark Mass in the Milky Way, invited talk, Dynamics of Galaxies, St. Petersburg, Russia, August 2007.
- Gerhard, O.E.: Collisionless Dynamical Models of Elliptical Galaxies, colloquium, Potsdam-Golm, Germany, October 2007.
- Gerhard, O.E.: Self-gravitating Disks, invited talk, Galactic Center Workshop 2007, Schloß Ringberg, Germany, June 2007.
- Gerhard, O.E.: Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Zürich, Switzerland, February 2007.
- Gerhard, O.E.: Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Honolulu, USA, April 2007.
- Gerhard, O.E.: Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, contributed talk, Clusters of Galaxies as Cosmological Probes, Aspen, USA, February 2007.
- Gillessen, S.: 15 years of high precision astrometry in the Galactic center, contributed talk, IAU Symposium No.248 A Giant Step: from Milli- to Micro-arcsecond Astrometry, Shanghai, China, October 2007.
- Gillessen, S.: Precision measurements of stellar orbits, invited talk, Galactic Center Workshop 2007 Celebrating 15 years of precision astronomy in the Galactic Center - hot topics and observational challenges, Schloß Ringberg, Germany, June 2007.
- Gillessen, S.: Sgr A* in the Near Infrared 2007 and 2012, invited talk, SIMBOL-X: The Hard X-Ray Universe in Focus, Bologna, Italien, May 2007.
- Gillessen, S.: Stellar Populations and Star Formation in the GC, invited talk, Advanced Photonics in Application to Astrophysical Problem, Washington, USA, June 2007.
- Haaland, S.: Discontinuity analysis with Cluster, contributed talk, Solar-Terrestrial Interactions - from Microscales to Global Models (STIMM 2), Sinaia, Romania, June 2007.
- Haaland, S.: Energetic particle signatures of reconnection, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Haberl, F.: On the Prospects of an SMC survey with XMM-Newton, contributed talk, XMM-Newton: The Next Decade, ESAC, Madrid, Spain, June 2007.
- Haberl, F.: The Magnificent Seven - Nearby Cooling Neutron Stars with 1013 Gauss Magnetic Fields, invited talk, Fenomec Mini Workshop on Magnetic Fields and Neutron Star Surface, Cocoyoc, Mexico, February 2007.
- Haberl, F.: X-ray Source Populations in the Magellanic Clouds, invited talk, X-rays from Nearby Galaxies, ESAC, Madrid, Spain, September 2007.
- Haerendel, G.: Are we alone? – Searching for life in the universe and its creation, public talk, ESF/ESA/ESPI Conference, Humans in Outer Space – Interdisciplinary Odysseys, Vienna, Austria, October 2007.
- Haerendel, G.: Auroral arcs as sites of magnetic stress release, invited talk, IUGG 2007, Perugia, Italy, July 2007.
- Haerendel, G.: Convection arcs, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Haerendel, G.: COSPAR: An offspring of the IGY, invited talk, IUGG 2007, Perugia, Italy, July 2007.
- Haerendel, G.: Exploration needs cooperation, invited talk, 3rd ASI/ESA Workshop on International Cooperation for Sustainable Space Exploration, Spineto, Italy, May 2007.
- Haerendel, G.: Plasmawolken, Polarlichter und die Sonne, public talk, FS Polarstern, April 2007.
- Haerendel, G.: Progress report on a theory of auroral arcs, colloquium, Space Science Laboratory, University of California, Berkeley, USA, June 2007.
- Haerendel, G.: Sechs Stufen der Schöpfung, public talk, Vocale Ottobeuren, Germany, September 2007.
- Haerendel, G.: “The threefold way of searching for life in the universe”, Humans in Space- A Humanities Assessment of the Implications of Space Sounding and Exploration, contributed talk, Workshop of the European

- Science Foundation, Genova, Italy, March 2007.
- Haerendel, G.: What powers auroral arcs?, colloquium, University of New Hampshire, USA, November 2007.
- Hasinger, G.: Active Galactic Nuclei, invited talk, 41st ESLAB Symposium, ESTEC, Noordwijk, The Netherlands, May 2007.
- Hasinger, G.: Auf der Jagd nach der Dunklen Energie, colloquium, Seminar, GSOC Oberpfaffenhofen, Germany, May 2007.
- Hasinger, G.: Auf der Jagd nach der Dunklen Energie, public talk, Physik Modern, LMU München, Germany, April 2007.
- Hasinger, G.: Cosmic Evolution of AGN, invited talk, Obscured AGN across cosmic time, Seeon, Germany, June 2007.
- Hasinger, G.: COSMOS AGN photo-zs, invited talk, zCOSMOS meeting, MPE Garching, Germany, October 2007.
- Hasinger, G.: Das Schicksal des Universums, invited talk, Fachtagung „Schulen ans Netz“, TU München, Germany, October 2007.
- Hasinger, G.: Das Schicksal des Universums, invited talk, Österreichische Akademie der Wissenschaften, Vienna, Austria, December 2007.
- Hasinger, G.: Das Schicksal des Universums, public talk, Buchvorstellung in der Max-Planck-Gesellschaft, München, Germany, September 2007.
- Hasinger, G.: Das Schicksal des Universums, public talk, Buchvorstellung, Dussmann das KulturKaufhaus, Berlin, Germany, October 2007.
- Hasinger, G.: Das Schicksal des Universums, public talk, Carl-Orff-Gymnasium, Unterschleißheim, Germany, November 2007.
- Hasinger, G.: Das Schicksal des Universums, public talk, Lange Nacht der Wissenschaften, MPE Garching, Germany, October 2007.
- Hasinger, G.: Das Schicksal des Universums, public talk, Vortrag in der Reihe „Faszinierendes Weltall“, Universität Göttingen, Germany, Februar 2007.
- Hasinger, G.: Die Zukunft des Universums, public talk, Verein der Ingenieure, AUDI-Forum Ingolstadt, Germany, January 2007.
- Hasinger, G.: Do we understand the cosmological evolution of AGN?, colloquium, IfA Colloquium, Honolulu/Hawaii, USA, July 2007.
- Hasinger, G.: Evolution of Black Hole Obscuration, colloquium, Caltech, USA, December 2007.
- Hasinger, G.: Evolution of Black Hole Obscuration, invited talk, Excellence Cluster Area F kickoff meeting, MPE Garching, Germany, October 2007.
- Hasinger, G.: Evolution of Black Holes in the Universe, colloquium, Physics Colloquium, ETH Zürich, Switzerland, May 2007.
- Hasinger, G.: Hunting Dark Energy with Galaxy Clusters, invited talk, From Quarks to Cosmos, Bremen, Germany, June 2007.
- Hasinger, G.: Hunting Dark Energy, colloquium, Max-Planck-Institute for Physics, Munich, Germany, November 2007.
- Hasinger, G.: Suzaku Future Impact: Compact & Stellar Objects, invited talk, San Diego, December 2007.
- Hasinger, G.: Synergies between Pan-STARRS and eROSITA, contributed talk, IfA lunch seminar, Honolulu/Hawaii, USA, September 2007.
- Hasinger, G.: The ERA-NET Astronet – Towards a Strategic Plan for European Astronomy, invited talk, ASPERA Workshop, Amsterdam, The Netherlands, September 2007.
- Hasinger, G.: The Fate of the Universe, colloquium, GSI Darmstadt, Germany, May 2007.
- Hasinger, G.: The Future of X-ray Astronomy, colloquium, IfA Colloquium, Honolulu/Hawaii, USA, August 2007.
- Hasinger, G.: The X-ray Wide-Deep Survey in the COSMOS Field, colloquium, Joint Astrophysics Colloquium, ESO Garching, Germany, January 2007.
- Hasinger, G.: Weltraum: An der Grenze des Wissens, public talk, Keynote am Festakt zum 20-jährigen Jubiläum der österreichischen ESA-Mitgliedschaft, Wiener Hofburg, Vienna, Austria, October 2007.
- Heidemann, R.: Nonlinear Waves in 3D Complex Plasmas, contributed talk, PK-3 Plus & PK-4 Science Meeting, Schloß Ringberg, Germany, January 2007.
- Hicks, E.K.S.: Using LGS AO to Study Stellar and Gas Kinematics in the Central 100 pc of AGN, contributed talk, Astronomy with Laser Guide Star Adaptive Optics, Schloß Ringberg, Germany, October 2007.
- Hicks, E.K.S.: Viewing the Molecular Torus in AGN, contributed talk, ESO Workshop on Obscured AGN across Cosmic Time, Seeon, Germany, June 2007.
- Horanyi, M.: Laboratory Studies of the Lunar Surface Plasma Sheath and Methods for in situ Plasma Measurements, contributed talk, American Geophysical Union, Fall Meeting 2007, San Francisco, USA, December 2007.
- Horanyi, M.: Spokes in Saturn's B Ring: Could Lightning be the Cause?, contributed talk, American Geophysical Union, Fall Meeting 2007, San Francisco, USA, December 2007.
- Horanyi, M.: The Large-scale Structure of Saturn's E ring, contributed talk, American Geophysical Union, Fall Meeting 2007, San Francisco, USA, December 2007.
- Ivlev, A.V.: Complex Plasmas: New Discoveries in Strong Coupling Physics, invited talk, DPG Tagung, Düsseldorf, Germany, March 2007.
- Ivlev, A.V.: Complex Plasmas: Studies at the Particle Level, invited talk, Fourth International Conference on Flow Dynamics, Sendai, Japan, September 2007.
- Ivlev, A.V.: Non-Newtonian Complex Plasma Fluids, invited talk, Fourth Capri Workshop on Dusty Plasmas, Capri, Italy, May 2007.
- Ivlev, A.V.: String Fluids in Electrorheological Complex Plasmas, contributed talk, Third International Symposium on Physical Sciences in Space, Nara, Japan, October 2007.

- Kanbach, G.: Fully resolved optical polarization of the Crab pulsar, contributed talk, High Time Resolution Astrophysics: The Universe at sub-second timescales, Royal Observatory Edinburgh, Scotland, UK, September 2007.
- Kanbach, G.: GRIPS: Gamma-Ray Burst Investigations with Polarimetry and Spectroscopy: A Mission proposed for the ESA Cosmic Vision Programme, colloquium, Physics Department University of Crete, Iraklio, Heraklion, Greece, November 2007.
- Kanbach, G.: HIGH ENERGY PULSARS: Powerful electrodynamic Accelerators in Space, invited talk, Multifrequency Behaviour of High Energy Cosmic Sources, Frascati Workshop 2007, Vulcano, Italy, May 2007.
- Kanbach, G.: High time resolution observations of Cataclysmic Variables with OPTIMA, contributed talk, High Time Resolution Astrophysics: The Universe at sub-second timescales, Royal Observatory Edinburgh, Scotland, UK, September 2007.
- Kanbach, G.: High-Time-Resolution Astronomy: Astrophysical Concepts and Observational Results, colloquium, Physics Department University of Crete, Iraklio, Heraklion, Greece, November 2007.
- Kanbach, G.: Imaging through Compton Scattering and Pair Creation as well as Earth Occulation (together with Volker Schönfelder), invited talk, Observing Photons in Space, ISSI Bern, Switzerland, September 2007.
- Kanbach, G.: Konzepte und Praxis der Instrumentierung in der Hochenergieastronomie, colloquium, Kolloquium der Universität Würzburg, Fakultät für Physik, Würzburg, Germany, January 2007.
- Kanbach, G.: pnCCDs for Ultra-Fast and Ultra-Sensitive Optical and NIR Imaging, contributed talk, High Time Resolution Astrophysics: The Universe at sub-second timescales, Royal Observatory Edinburgh, Scotland, UK, September 2007.
- Kanbach, G.: Polarisation of the Crab: comparing radio, optical, and hard-X/gamma-ray measurements, colloquium, Physics Department University of Crete, Iraklio, Heraklion, Greece, October 2007.
- Kanbach, G.: Polarized Light: Astrophysical origins, measurements and analysis, colloquium, Seminar, Physics Department University of Crete, Iraklio, Heraklion, Greece, November 2007.
- Kanbach, G.: Practical High-Time-Resolution Astronomy: Concept and Results from the OPTIMA project, colloquium, Seminar at Lund Observatory, Lund, Sweden, April 2007.
- Khrapak, S.A.: Attraction of positively charged particles in highly collisional plasmas, contributed talk, Fourth Capri workshop on dusty plasmas, Capri, Italy, June 2007.
- Khrapak, S.A.: Basics of complex (dusty) plasmas, invited talk, Workshop on complexity in plasma and geospace systems, Geylo, Norway, March 2007.
- Khrapak, S.A.: Critical point in complex plasmas using PK-3 Plus: Estimates based on SIGLO-2D simulations, contributed talk, PK-3 Plus Symposium, Garching, Germany, December 2007.
- Khrapak, S.A.: Critical point studies with PK-4, contributed talk, PK-4 science meeting, Schloß Ringberg, Germany, January 2007.
- Khrapak, S.A.: Distribution of electric potential around a small absorbing body in plasmas: Effect of ion-neutral collisions, contributed talk, Annual Moscow Workshop on the Nonideal Plasma Physics, Moscow, Russia, December 2007.
- Khrapak, S.A.: Interparticle interactions in the context of liquid-vapour critical point in complex plasmas, contributed talk, Topical team meeting on critical point in complex plasmas, Nara, Japan, October 2007.
- Khrapak, S.A.: Ion drag force on an absorbing body in highly collisional plasmas, contributed talk, 2nd International conference on the physics of dusty and burning plasmas, Odessa, Ukraine, August 2007.
- Khrapak, S.A.: Liquid-vapour critical point in complex plasmas under microgravity conditions, contributed talk, Third international symposium on physical sciences in space, Nara, Japan, October 2007.
- Khrapak, S.A.: Liquid-vapour critical point in complex plasmas: Theoretical approach, contributed talk, PK-3 Plus meeting, Garching, Germany, May 2007.
- Khrapak, S.A.: Theoretical approach to the liquid-vapour critical point in complex plasmas, contributed talk, Fourth Capri workshop on dusty plasmas, Capri, Italy, June 2007.
- Klecker, B.: Die Sonne und das Weltraumwetter, public talk, Lange Nacht der Wissenschaft, MPE, Garching, Germany, October 2007.
- Klecker, B.: Die Sonne und das Weltraumwetter, public talk, Space Weather Day - Wetterleuchten im All, IWF/OEAW Graz, Austria, October 2007.
- Klecker, B.: Injection, acceleration and transport signatures in solar energetic particle events, invited talk, SOHO/CELIAS-STEREO/PLASTIC-SEPT Workshop, Kiel, Germany, March 2007.
- Klecker, B.: International Heliophysical Year in Germany: Public Outreach, contributed talk, AGU Joint Assembly, Acapulco, Mexico, May 2007.
- Klecker, B.: Interpretation and modelling of particle spectra, invited talk, Solar Terrestrial Interactions: Instruments and Techniques, 6th COSPAR Capacity Building Workshop, Sinaia, Romania, June 2007.
- Klecker, B.: Ionenladung solarer energetischer Teilchen: ein Schlüssel zur Beschleunigungsregion, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Klecker, B.: Ionic charge states of heavy ions associated with interplanetary shocks at 1AU, contributed talk, 30th Intern. Cosmic Ray Conf., Merida, Mexico, July 2007.
- Klecker, B.: Ionic Charge States of Low Energy Ions in Solar Energetic Particle Events: an Overview, invited talk, AGU Fall Meeting, San Francisco, USA, December 2007.
- Klecker, B.: Low-energy ion transport parameters inferred from pickup ions and CIR associated ions, invited talk,

- Workshop on "Transport of Energetic Particles in the Inner Heliosphere", ISSI, Bern, Switzerland, November 2007.
- Klecker, B.: On the variability of suprathermal He⁺: new results from STEREO and SOHO, invited talk, AGU Joint Assembly, Acapulco, Mexico, May 2007.
- Klecker, B.: Pickup Helium in the Inner Heliosphere: an Overview, invited talk, AGU Fall Meeting, San Francisco, USA, December 2007.
- Klecker, B.: Principles of particle spectrometry, invited talk, Solar Terrestrial Interactions: Instruments and Techniques, 6th COSPAR Capacity Building Workshop, Sinaia, Romania, June 2007.
- Klecker, B.: Rapporteur talk on "Sun, Corona and Transient Phenomena in the Heliosphere", invited talk, 30th Intern. Cosmic Ray Conf., Merida, Mexico, July 2007.
- Klecker, B.: Solar – Terrestrische Beziehungen, invited talk, AEF/DPG Tagung, Regensburg, Germany, March 2007.
- Klecker, B.: Solar–terrestrial relations: an overview, invited talk, Solar–terrestrial Interactions: From Microscale to Global Models (STIMM 2), Sinaia, Romania, June 2007.
- Klecker, B.: Weltraumwetter: Sonne - Erde Wechselwirkungen, public talk, FH Rosenheim, Germany, November 2007.
- Knappek, C.A.: Recrystallization of a 2D Plasma Crystal, contributed talk, Science Meeting MPE, Garching, Germany, March 2007.
- Knappek, C.A.: Recrystallization of a 2D Plasma Crystal, contributed talk, PK-3 Plus Meeting, Garching, Germany, May 2007.
- Komossa, S.: Astrophysical Black Holes in the Nearby and Distant Universe - The High Energy View, invited talk, Black Holes VI: Theoretical and Mathematical Aspects, White Point, Nova Scotia, Canada, May 2007.
- Komossa, S.: Astrophysical Supermassive Black Holes, colloquium, Physikalisches Kolloquium, Universität Oldenburg, Germany, October 2007.
- Komossa, S.: Narrow-Line Seyfert 1 Galaxies, invited talk, The nuclear region, host galaxy and environment Active Galaxies, Huatulco, Mexico, April 2007.
- Komossa, S.: Observations of Supermassive Black Holes in Galaxies: Singles and Pairs, colloquium, University of California at Riverside, USA, February 2007.
- Komossa, S.: Radio-Loud Narrow-Line Seyfert 1 Galaxies, contributed talk, MPE Science Meeting, München, Germany, March 2007.
- Komossa, S.: Radio-Loud NLS1 Galaxies, invited talk, Black Holes in Krakow, Poland, May 2007.
- Komossa, S.: The Locus of Low-Mass, Highly Accreting AGN on the M-sigma Plane, contributed talk, Physics of Galactic Nuclei Start-up Workshop, Garching, Germany, December 2007.
- Konopka, U.: New, Flexible Plasma Devices for Complex Plasma Experiments, contributed talk, Liverpool University (Department of Electrical Engineering and Electronics), UK, September 2007.
- Konopka, U.: PlasmaLab: The Future of Complex Plasma Space Experiments on the ISS, invited talk, 8th Workshop on Fine Particle Plasmas, Toki, Japan, Dezember 2007.
- Kretschmer, K.: 26Al spectroscopy and Structure & Kinematics in the inner Galaxy, contributed talk, Five years of INTEGRAL, Chia Laguna (Cagliari), Italy, October 2007.
- Kretschmer, M.: Complex plasmas – A new state of matter, invited talk, 9th International Workshop on the Interrelationship between Plasma Experiments in Laboratory and Space (IPELS2007), Cairns, Australia, August 2007.
- Kretschmer, M.: PK-4 – The next-generation complex plasma experiment on the ISS, contributed talk, Workshop on physics of complex multi-component plasma systems, Sydney, Australia, August 2007.
- Kretschmer, M.: Self-organisation in complex plasmas: Lane formation, contributed talk, PK-3 Plus & PK-4 Science Meeting, Schloß Ringberg, Germany, January 2007.
- Lang, M.: SPI Detection of ⁶⁰Fe Radioactivity from the Galaxy, contributed talk, Five years of INTEGRAL, Chia Laguna (Cagliari), Italy, October 2007.
- Lutz, D.: Akari and Akari Science, invited talk, Science with the Herschel Space Observatory, Les Houches, France, April 2007.
- Lutz, D.: An infrared spectroscopic view of distant infrared galaxies and quasars, contributed talk, From IRAS to Herschel/Planck, London, UK, July 2007.
- Lutz, D.: An IRS view of distant infrared galaxies and quasars, contributed talk, The Origin of Galaxies, Obergurgl, Austria, March 2007.
- Lutz, D.: Science with Herschel-PACS, colloquium, MPIfR Bonn, Germany, February 2007.
- Lutz, D.: Star Formation in High Redshift Submillimeter Galaxies and QSO Hosts, invited talk, Splinter Session 'The Evolution of the Interstellar Medium over Cosmic Time' at AG Tagung 2007, Würzburg, Germany, September 2007.
- Lutz, D.: Star Formation in High Redshift Submillimeter Galaxies and QSO Hosts, contributed talk, Gas Accretion and Star Formation in Galaxies, München, Germany, September 2007.
- Lutz, D.: Studies of galaxy evolution with Herschel, invited talk, Astronomy with the Herschel Space Observatory, Les Houches, Frankreich, April 2007.
- Marghitu, O.: Auroral Electrodynamics on Arc and Oval Scales, contributed talk, Solar-Terrestrial Interactions – from Microscales to Global Models (STIMM 2 Workshop), Sinaia, Romania, June 2007.
- Marghitu, O.: Cluster observations of energy conversion in the plasma sheet, contributed talk, AEF/DPG Tagung, Regensburg, Germany, March 2007.
- Marghitu, O.: Energy conversion features observed by Cluster in the plasma sheet, contributed talk, EGU General Assembly, Vienna, Austria, April 2007.
- Marghitu, O.: Investigation of Energy Conversion and Transfer in the Auroral Magnetosphere by Multi-

- Point Observations, contributed talk, Solar-Terrestrial Interactions – from Microscales to Global Models (STIMM 2), Sinaia, Romania, June 2007.
- Marghitu, O.: Investigation of energy conversion and transfer in the auroral magnetosphere by multi-point observations, contributed talk, CIS/HIA Cluster and Double Star Team Meeting, Berg, Germany, June 2007.
- Marghitu, O.: Load Regions in the Plasma Sheet. Cluster observations versus simulation results, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Marghitu, O.: Plasma sheet energy conversion as observed by Cluster, contributed talk, 4th Alfvén Conference, Arcachon, France, September 2007.
- McBreen, S.: A tale of two „dark“ gamma-ray bursts, contributed talk, 070228: The Next Decade of GRB Afterglows, Amsterdam, The Netherlands, March 2007.
- McBreen, S.: Polarisation studies of GRB041219a using the spectrometer INTEGRAL, contributed talk, FIVE YEARS OF INTEGRAL: A Science Workshop in Sardinia, Italy, October 2007.
- McBreen, S.: The temporal properties of gamma-ray bursts, contributed talk, Workshop on SHORT GAMMA-RAY BURSTS: Observations and Physics, Schloß Ringberg, Germany, March 2007.
- Merloni, A.: Cosmological growth of supermassive black holes: constraints on kinetic and radiative feedback, colloquium, DARK Cosmology Center, Copenhagen, Denmark, August 2007.
- Merloni, A.: Black Holes, invited talk, Excellence Cluster Universe Science Week, Munich, Germany, December 2007.
- Merloni, A.: Cosmological growth of supermassive black holes, colloquium, CESR, Toulouse, France, November 2007.
- Merloni, A.: Cosmological growth of supermassive black holes, contributed talk, The prospect for LOFAR surveys, Leiden, The Netherlands, December 2007.
- Merloni, A.: Cosmological growth of supermassive black holes: constraints on kinetic and radiative energy feedback, colloquium, USM, München, Germany, July 2007.
- Merloni, A.: Cosmological growth of supermassive black holes: constraints on kinetic and radiative energy feedback, contributed talk, AGN Splinter meeting at the 80th Annual Scientific Meeting of the Astronomische Gesellschaft, Würzburg, Germany, September 2007.
- Merloni, A.: Kinetic luminosity, jet production efficiency and feedback properties of growing black holes, contributed talk, Obscured AGN, Kloster Seeon, Germany, June 2007.
- Merloni, A.: The physical state of radio-mode, low-luminosity AGN, contributed talk, MPE Workshop „Physics of Galactic Nuclei“, München, Germany, December 2007.
- Mitic, S.D.: Convective dust clouds in a complex plasma, contributed talk, Sydney University, Australia, August 2007.
- Mitic, S.D.: Selfgenerated Waves in Thermophoretic Levitated Dust CLOUD, contributed talk, MPE Science Meeting, Schloß Ringberg, Germany, January 2007.
- Mitic, S.D.: Spectroscopic Measurements in PK3+ influence of particles on plasma parameters, contributed talk, PK3+ Symposium, Garching, Germany, December 2007.
- Monetti, R.: Structure Characterization of uCT Images of Human Trabecular Bone, invited talk, Magnetic Resonance Science Center, UCSF, San Francisco, USA, February 2007.
- Morfill, G.E.: Clusters in dusty plasmas, invited talk, ICPIG Conference, Prague, Czech Republic, July 2007.
- Morfill, G.E.: Complex Plasmas – a new state of matter with unusual properties, invited talk, Deutsche Vakuum Gesellschaft, Greifswald, Germany, August 2007.
- Morfill, G.E.: Complex Plasmas – a new state of matter, invited talk, University Auburn, USA, October 2007.
- Morfill, G.E.: Complex Plasmas – an Overview, invited talk, Colloquium Universität Liverpool, UK, August 2007.
- Morfill, G.E.: Complex Plasmas – New Developments, invited talk, Fourth Capri Workshop on Dusty Plasmas, Capri, Italy, May 2007.
- Morfill, G.E.: Complex Plasmas in Space, invited talk, 3rd Int. Symposium on Physical Sciences in Space, Nara-City, Japan, October 2007.
- Morfill, G.E.: Critical Phenomena and Phase Transitions - First Kinetic Investigations in Space, invited talk, From Quantum to Cosmos 2 - workshop, Bremen, Germany, June 2007.
- Morfill, G.E.: Crystalline and liquid plasmas – new states of matter? invited talk, Alfvén lecture, Stockholm, Schweden, May 2007.
- Morfill, G.E.: Introduction to complex plasmas, invited talk, 1MIME Workshop, Garching, Germany, August 2007.
- Morfill, G.E.: Neutral gas contamination in fusion reactors due to dust impacts, invited talk, 34th EPS Conference on Plasma Physics, Warsaw, Poland, July 2007.
- Morfill, G.E.: The Plasma-Medicine-Project – an Overview, invited talk, Plasmamedizin Workshop, Garching, Germany, November 2007.
- Morfill, G.E.: Von der Astrophysik zur Medizin – der interdisziplinäre Einfluss der Medizin, invited talk, Ringvorlesung TU Berlin, Germany, December 2007.
- Müller, A.: Black Holes, public talk, MPE, Garching, Germany, March 2007.
- Müller, A.: Evolution of Supermassive Black Hole Mass Function, invited talk, Space Telescope Science Institute (STScI), Baltimore, USA, April 2007.
- Müller, A.: Iron K lines in the cosmic X-ray background, contributed talk, 18th International Conference on General Relativity and Gravitation, Sydney, Australia, July 2007.
- Müller, A.: Schwarze Löcher - Schwerkräften des Universums, public talk, Ausbildung Physiker/Astronom, Ricarda-Huch-Schule, Kiel, Germany, June 2007.
- Müller, A.: Schwarze Löcher - Schwerkräften des Universums, public talk, Ausbildung Physiker/Astronom,

- Gymnasium Kronwerk, Rendsburg, Germany, June 2007.
- Müller, A.: Schwarze Löcher - Schwerkräften des Universums, public talk, Ausbildung Physiker/Astronom, Max-Planck-Schule, Kiel, Germany, June 2007.
- Müller, A.: Schwarze Löcher - Schwerkräften des Universums, public talk, Ausbildung Physiker/Astronom, Johann-Heinrich-Voss-Schule, Eutin, Germany, June 2007.
- Müller, T.G.: Kleinkörper im Infrarotweltall, public talk, Michael-Adrian-Observatorium, Sternwarte Trebur, Germany, January 2007.
- Nosenko, V.: Heat transport in a two-dimensional complex (dusty) plasma at melting conditions, contributed talk, 49th Annual Meeting of the APS Division of Plasma Physics, Orlando, USA, November 2007.
- Nosenko, V.: Thermal conductivity measurements in a 2D complex (dusty) plasma, contributed talk, Thermal conductivity measurements in a 2D complex (dusty) plasma, Odessa, Ukraine, August 2007.
- Nosenko, V.: Thermal conductivity measurements in a 2D Yukawa system, contributed talk, APS March Meeting, Denver, USA, March 2007.
- Noyola, E.: Black Holes in Globular Clusters, contributed talk, Gemini Science Meeting, Iguazu, Brazil, June 2007.
- Noyola, E.: Central dynamics of globular clusters: the case for a black hole in Omega Cen, contributed talk, Dynamical Evolution of Dense Stellar Systems, International Astronomical Union Symposium 246, Capri, Italy, September 2007.
- Noyola, E.: Dinamica central de cumulos globulares, colloquium, Instituto de Astronomia, UNAM, Mexico City, Mexico, November 2007.
- Ott, T.: High angular resolution observations of the Galactic Center at the VLT with LGS-AO, contributed talk, Astronomy with Laser Guide Star Adaptive Optics, Schloß Ringberg, Germany, October 2007.
- Ott, T.: The need for a general purpose diffraction limited imager at the VLT, contributed talk, Science with the VLT in the ELT era, Garching, Germany, October 2007.
- Paschmann, G.: Magnetospheric boundaries in spacecraft data, invited talk, Solar Terrestrial Interactions: Instruments and Techniques, 6th COSPAR Capacity Building Workshop, Sinaia, Romania, June 2007.
- Paschmann, G.: Solar Wind Reconnection Events, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Paschmann, G.: The Cluster mission to the magnetosphere, invited talk, Solar Terrestrial Interactions: Instruments and Techniques, 6th COSPAR Capacity Building Workshop, Sinaia, Romania, June 2007.
- Pheps, S.: Measuring ω with Pan-STARRS data, contributed talk, Annual Meeting of the Transregio 33 „The dark universe“, Bonn, Germany, October 2007.
- Pheps, S.: Pan-STARRS, contributed talk, Decrypting the Universe Large Surveys for Cosmology, Edinburgh, Scotland, UK, October 2007.
- Pierini, D.: The diversity of red disk-like galaxies at intermediate/high redshifts, invited talk, Tracing Dust in Spiral Galaxies: radiative transfer studies in the dawn of a new generation of observing facilities, Ghent, Belgium, May 2007.
- Pietsch, W.: The X-ray source population of M 31 and M 33, invited talk, X-rays from nearby galaxies, Madrid, Spain, September 2007.
- Pietsch, W.: The X-ray source population of the Andromeda galaxy M 31, invited talk, XMM-Newton: The Next Decade, Madrid, Spain, June 2007.
- Pietsch, W.: X-ray source population studies in nearby galaxies, invited talk, Simbol-X: the hard X-ray universe in focus, Bologna, Italy, May 2007.
- Pitout, F.: Cluster survey of the mid-altitude cusp, contributed talk, Solar-Terrestrial Interactions – from Microscales to Global Models (STIMM 2 Workshop), Sinaia, Romania, June 2007.
- Poglitsch, A.: Far Infrared Detector Development for Herschel/PACS and SOFIA/FIFI LS, invited talk, DPG Frühjahrstagung, Symposium „Terahertz Detectors“, Regensburg, Germany, March 2007.
- Poglitsch, A.: Herschel Photodetector Array Camera & Spectrometer, public talk, Herschel Press Day, Friedrichshafen, Germany, September 2007.
- Poglitsch, A.: Herschel Photodetector Array Camera & Spectrometer, invited talk, Astronomy in the submillimeter and far infrared domains with the Herschel Space Observatory, Les Houches, France, April 2007.
- Poglitsch, A.: PACS Instrument and Guaranteed Time Programmes, invited talk, Herschel Open Time Key Program Workshop, Noordwijk, The Netherlands, February 2007.
- Poglitsch, A.: The Far-Infrared Field-Imaging Line Spectrometer (FIFI LS) for SOFIA, invited talk, Sonderforschungsbereich Kolloquium, Köln, Germany, December 2007.
- Pompl, R.: Effect of low-temperature Plasma on Bacteria observed by repeated AFM-imaging, contributed talk, International Conference on Plasma Medicine (ICPM), Corpus Christi, USA, October 2007.
- Pratt, G.W.: Representative samples of galaxy clusters: recent results and future prospects, contributed talk, XMM-Newton: The Next Decade, Madrid, Spain, June 2007.
- Pratt, G.W.: Representative samples of galaxy clusters: recent results and future prospects, contributed talk, EPIC Consortium Meeting, Leicester, UK, September 2007.
- Pratt, G.W.: Structure and dynamics of galaxy clusters in X-rays, invited talk, Tracing Cosmic Evolution with Clusters of Galaxies: Six Years Later, Sesto Alto Adige, Italy, June 2007.
- Pratt, G.W.: Structure and dynamics of galaxy clusters in X-rays, colloquium, SRON, Utrecht, The Netherlands, December 2007.
- Pratt, G.W.: X-ray structure of the REXCESS clusters, contributed talk, REXCESS Workshop, Frauenwörth, Germany, May 2007.
- Predehl, P.: Das Dunkle Universum, public talk,

- Astronomische Gesellschaft Graubünden, Falera, Switzerland, July 2007.
- Predehl, P.: Das Dunkle Universum, public talk, Lehrerfortbildung, Gars, Germany, July 2007.
- Predehl, P.: Das Dunkle Universum, public talk, Schulvortrag, Kiel, Germany, June 2007.
- Predehl, P.: Das Dunkle Universum, public talk, Schulvortrag, Rendsburg, Germany, June 2007.
- Predehl, P.: eROSITA, contributed talk, XMM-EPIC Consortium Meeting, Leicester, September 2007.
- Predehl, P.: Zeit des Universums, public talk, Citta del Bolzano, Italy, October 2007.
- Räth, C.: A Scaling Index Analysis of the WMAP Three-Year-Data: Signatures of non-Gaussianities and asymmetries in the CMB, colloquium, JPL, Pasadena, USA, February 2007.
- Räth, C.: Analysing μ CT images of bone specimen with Wavelets and Scaling Indices: Which texture measure does better depict the trabecular bone structure?, colloquium, UCSF, San Francisco, USA, February 2007.
- Räth, C.: Analysis methods for quantifying phase transitions in electrorheological plasmas, invited talk, PK 3 plus-Symposium, Garching, Germany, December 2007.
- Räth, C.: Comparing order parameters for quantifying the liquid to string-liquid phase transition in electrorheological plasmas, invited talk, ESA/JAXA-Topical Team Meeting, Nara, Japan, October 2007.
- Räth, C.: Fusion of optical and X-ray images based on landmarks: Material, Methods and First Results, colloquium, UCSF, San Francisco, USA, February 2007.
- Räth, C.: GE and SE Sequences at 1.5 Tesla: Which sequence does better visualize the trabecular structure of the distal radius?, colloquium, UCSF, San Francisco, USA, February 2007.
- Räth, C.: Phase transitions in electrorheological fluids in complex plasmas, invited talk, IGPP/ Universität Freiburg, Germany, April 2007.
- Rubin-Zuzic, M.: Complex Plasmas under Microgravity Conditions - Phase demixing observed on „molecular scale“, contributed talk, Third International Symposium on Physical Sciences in Space (ISPS 2007), Nara, Japan, October 2007.
- Rubin-Zuzic, M.: Complex Plasmas under Microgravity Conditions- Phase demixing observed on “molecular scale” ,contributed talk, PK-3 Plus Symposium, Max-Planck-Institute für extraterrestrische Physik, Garching, Germany, December 2007.
- Rubin-Zuzic, M.: Crystallisation Experiments with Complex Plasmas, contributed talk, Liverpool meeting, Department of Electrical Engineering and Electronics, UK, September 2007.
- Rubin-Zuzic, M.: Fundamental Stability Principles of Matter, contributed talk, MPE Science Meeting, Max-Planck-Institute für extraterrestrische Physik, Garching, Germany, March 2007.
- Rubin-Zuzic, M.: Recrystallisation of a 2D plasma crystal, contributed talk, Topical Team Meeting „Critical Point in complex plasmas“, Nara, Japan, October 2007.
- Scheingraber, H.: Arthur Eddington und die Sonnenfinsternis von 1919, invited talk, Heisse Eisen in der Wissenschaft, IGPP Freiburg, Germany, December 2007.
- Scholer, M.: Instabilities in the Foot Region of Quasi-Perpendicular Shocks: Full Particle Electromagnetic Simulations, contributed talk, AGU Fall Meeting, San Francisco, USA, December 2007.
- Scholer, M.: Turbulence in collisionless shocks, contributed talk, MPE Workshop on Solar System Plasmas, Schloß Ringberg, Germany, January 2007.
- Schwabe, M.: Highly resolved self-excited density waves, contributed talk, 2nd International Conference on dusty plasmas in applications, Odessa, Ukraine, August 2007.
- Schwabe, M.: Self-excited dust density waves, contributed talk, Workshop on physics of complex multi-component plasma systems, Sydney, Australia, August 2007.
- Schwabe, M.: Self-excited Waves and Bubbles, contributed talk, PK-3 Plus and PK-4 Science Meeting, Schloß Ringberg, Germany, January 2007.
- Schwabe, M.: Waves in PK-3 Plus, contributed talk, PK-3 Plus Symposium, MPE Garching, Germany, December 2007.
- Shimizu, T.: Characterization of microwave plasma torch for decontamination, contributed talk, International Conference on Plasma Medicine (ICPM) I, Corpus Christi, USA, October 2007.
- Shimizu, T.: Plasma Medicine, application of plasma for wound sterilization, invited talk, 8th Workshop on Fine Particle Plasmas, Toki, Japan, December 2007.
- Stefanescu, A.: OPTIMA-Burst Observing GRBAfterglows with High Time Resolution, contributed talk, High Time Resolution Astrophysics: The Universe at sub-second timescales, Edinburgh, UK, September 2007.
- Steinle, H.: GBM Response Simulation - Simulation of the Calibration at MPE, invited talk, General Dynamics - Factory of the Future Internal Seminar, Phoenix, USA, May 2007.
- Stiele, H.: A deep XMM-Newton survey of M31, contributed talk, X-Rays from Nearby Galaxies, ESAC, ESA, Madrid, Spain, September 2007.
- Strong, A.W.: Diffuse Galactic Continuum: interstellar and source components, invited talk, Five Years of INTEGRAL, Cagliari, Sardinia, October 2007.
- Strong, A.W.: The Galactic magnetic field: the cosmic ray/ gamma ray/radio connection, invited talk, The Large-Scale Magnetic Field of the Milky Way, Princeton University, USA, May 2007.
- Strong, A.W.: The Galactic magnetic field: the cosmic ray/ gamma ray/radio connection, colloquium, MPIfR Institute Colloquium, MPIfR, Bonn, Germany, June 2007.
- Strüder, L.: High speed, low noise, low power, radiation hard, high Q.E. - home made 2D imaging X-ray detectors, invited talk, Stanford Linear Accelerator, Menlo Park, Ca., USA, February 2007.
- Strüder, L.: Modern Silicon Detectors from the IR to Gamma Rays, invited talk, MPE Science Meeting,

Garching, Germany, March 2007.

Strüder, L.: Modern Silicon Detectors from the IR to Gamma Rays, invited talk, MPE Fachbeirat Meeting, Garching, Germany, May 2007.

Strüder, L.: LSDD – high speed imaging for CFEL and XFEL science, invited talk, Presentation of the LSDD Proposal at the DAC, DESY Hamburg, Germany, May 2007.

Strüder, L.: X-ray detectors for X- and Gamma rays, invited talk, X-and Gamma Ray workshop of CNES, Toulouse, France, May 2007.

Strüder, L.: pnCCDs for FLASH, LCLS and XFEL science, invited talk, DESY-SLAC Workshop, DESY Hamburg, Germany, May 2007.

Strüder, L.: pnCCDs for nano-cluster experiments at X-ray laser facilities, colloquium, Institut für Optik und atomare Physik, TU-Berlin, Germany, June 2007.

Strüder, L.: Position and energy resolving X-ray and electron detectors, contributed talk, Microanalysis and Microscopy, Annual Conference, Ft. Lauderdale, USA, August 2007.

Strüder, L.: Modern Silicon detectors for experiments from X-rays to Gamma rays, invited talk, Gamma-Konzil, Wildbad Kreuth, Germany, October 2007.

Strüder, L.: X-ray imaging detectors for the experiments at FLASH, LCLS, PETRA III and XFEL, contributed Talk, XFEL Workshop, MPI für Kernphysik, Heidelberg, Germany, October 2007.

Strüder, L.: pnCCDs for high speed X-ray imaging at experiments at FLASH, LCLS, PETRA III and XFEL, contributed talk, IEEE Nuclear Science Symposium, Honolulu, USA, November 2007.

Strüder, L.: DEPMOS active pixel sensors for megafame X-ray imaging at FLASH and XFEL, contributed talk, IEEE Nuclear Science Symposium, Honolulu, USA, November 2007.

Strüder, L.: Modern Silicon detectors for experiments from X-rays to Gamma rays, invited talk, Space Science Laboratory, University of Berkeley, California, USA, October 2007.

Strüder, L.: High speed semiconductor detectors for synchrotron experiments at FLASH, LCLS, PETRA III and XFEL, invited talk, Advanced Light Source (ALS) at LBL, Berkeley, California, USA, October 2007.

Strüder, L.: Semiconductor Radiation Detectors – from the Infrared to Gamma rays – in Heaven and on Earth, colloquium, Excellence: Structure and Origin of the Universe, Lectures on instrumentation, TU München, Germany, November 2007.

Strüder, L.: Single Photon Counting in the optical and NIR, colloquium, Excellence: Structure and Origin of the Universe, Lectures on instrumentation, TU München, Germany, November 2007.

Strüder, L.: Far infrared detectors based on Silicon and recent developments in wave front sensors for adaptive optics systems, invited talk, IR group retreat in Kloster Seeon, Germany, December 2007.

Strüder, L.: The pnCCD ocal plane detector concept for

LUSI at LCLS, invited talk, LDAC meeting at SLAC, Menlo Park, USA, December 2007.

Strüder, L.: Status of the pnCCD X-ray imagers for FLASH, colloquium, DESY HASYLab, Hamburg, Germany, December 2007.

Sturm, E.: Extragalactic Science with SOFIA/FIFI LS, colloquium, Sonderforschungsbereich 494, University of Cologne, Germany, December 2007.

Sturm, E.: Line Spectroscopy with Herschel/PACS, invited talk, Herschel Open Time Key Projects Workshop, ESTEC, Noordwijk, The Netherlands, February 2007.

Sturm, E.: The starburst-AGN connection in the infrared light, invited talk, Joint European and National Astronomy Meeting (JENAM-2007), Yerevan, Armenia, August 2007.

Tacconi, L.J.: High Resolution Molecular Spectroscopy of Submillimeter Galaxies, invited talk, Obscured AGN across Cosmic Time, Kloster Seeon, Germany, June 2007.

Tacconi, L.J.: Molecular Line Emission as a Tool for Studying Distant Galaxies, invited talk, FIR Workshop, Bad Honnef, Germany, November 2007.

Tacconi, L.J.: Submillimeter Galaxies at High Resolution, invited talk, The Evolution of the Interstellar Medium Over Cosmic Time, AG Splinter C, Würzburg, Germany, September 2007.

Tacconi, L.J.: Submillimeter Galaxies at High Resolution, invited talk, Gas Accretion in Galaxies, MPA/ESO/MPE/USM Conference, Garching, Germany, September 2007.

Tacconi, L.J.: The Dynamical Evolution of Ultraluminous Galaxies at Low and High Redshift, colloquium, ETH-Zürich, Switzerland, May 2007.

Thoma, M.H.: Critical Point Investigations with PK-4, invited talk, Topical Team Meeting Critical Point in Complex Plasmas, Nara, Japan, October 2007.

Thoma, M.H.: From Garching to Tokyo – Being a Student at E17, invited talk, Festkolloquium anlässlich des 85. Geburtstags von Herrn Prof. Dr. Dr. h.c. Haruhiko Morinaga, TUM, Garching, Germany, October 2007.

Thoma, M.H.: Gibt es Quarksterne?, colloquium, Physikalisches Kolloquium, Universität Giessen, Germany, May 2007.

Thoma, M.H.: PK-4: Complex Plasmas in Space - the next Generation, invited talk, PK-3 Plus Symposium, MPE, Garching, Germany, December 2007.

Thoma, M.H.: PK-4: Complex Plasmas in Space – the next Generation, contributed talk, 3rd International Symposium on Physical Sciences in Space, Nara, Japan, October 2007.

Thoma, M.H.: PK-4: Complex Plasmas in Space – the next Generation, invited talk, PK-3 Plus and PK-4 Science Meeting, Schloß Ringberg, Germany, January 2007.

Thoma, M.H.: Plasmakristallexperimente auf der ISS, invited talk, DLR, Oberpfaffenhofen, Germany, October 2007.

Thoma, M.H.: Scientific experiments and prospects of the complex plasma project PK-4, invited talk, 4th Capri Workshop on Dusty Plasmas, Capri, Italy, May 2007.

- Thoma, M.H.: Strange Quark Matter in Neutron Stars?, colloquium, MPI-Kolloquium, Max-Planck-Institut für Physik, München, Germany, July 2007.
- Thoma, M.H.: Strongly Coupled Plasmas and the Plasma Crystal - Plasma Physics under Microgravity, colloquium, Kolloquium am Institut für Strahlenphysik, Forschungszentrum Rossendorf, Germany, September 2007.
- Thoma, M.H.: Ultrarelativistic Plasmas - Electron-Positron Plasma and Quark-Gluon Plasma, invited talk, LMU, Munich, Germany, November 2007.
- Thoma, M.H.: What can we learn from complex and strongly-coupled plasmas about the quark-gluon plasma?, colloquium, MLL-Kolloquium für Kern- und Teilchenphysik, LMU and TUM, Garching, Germany, May 2007.
- Thoma, M.H.: What can we learn from complex and strongly-coupled plasmas about the quark-gluon plasma?, colloquium, Kolloquium zur Struktur und Dynamik der elementaren Materie, Universität Frankfurt/M., Germany, May 2007.
- Thoma, M.H.: Wissenschaft unter Schwerelosigkeit am Beispiel des Plasmakristalls, public talk, 'Wissenschaft für jedermann', Deutsches Museum, Munich, Germany, January 2007.
- Thoma, M.H.: Wissenschaft unter Schwerelosigkeit am Beispiel des Plasmakristalls, colloquium, Physikalisches Kolloquium, TU Darmstadt, Germany, November 2007.
- Thomas, H.M.: Dusty Plasmas, invited talk, 4th Alfvén Conference, Arcachon, France, September 2007.
- Thomas, H.M.: Initiative for Basic Research in Space, invited talk, DPG-Konferenz, Regensburg, Germany, March 2003.
- Thomas, H.M.: PK-3 Plus - Complex Plasma Research on the International Space Station, contributed talk, Third International Symposium on Physical Sciences in Space, Nara, Japan, October 2007.
- Thomas, H.M.: PK-3 Plus - Plasma crystal and complex plasma research on the International Space Station, invited talk, 34th EPS-Conference on Plasma Physics, Warsaw, Poland, July 2007.
- Thomas, H.M.: PK-3 Plus - Status and Filamentary Mode, contributed talk, Second PK-3 Plus Symposium, Garching, Germany, December 2007.
- Thomas, H.M.: PK-3 Plus, invited talk, Astrolab Mission - Mission Final Review, Noordwijk, The Netherlands, February 2007.
- Thomas, H.M.: PKE-Nefedov - First Natural Science Experiment on the International Space Station, contributed talk, Third International Symposium on Physical Sciences in Space, Nara, Japan, October 2007.
- Thomas, H.M.: Results from PK-3 Plus on the ISS, contributed talk, Dusty Plasma Workshop, Capri, Italy, May 2007.
- Trippe, S.: Sagittarius A* in the near infrared, contributed talk, Nuclear region, host galaxy, and environment of AGN, Huatulco, Mexico, April 2007.
- Trippe, S.: An L-band flare from SgrA* with 20-min substructure, invited talk, Celebrating 15 years of precision astronomy in the Galactic Center - Hot topics and observational challenges, Schloß Ringberg, Germany, June 2007.
- Trippe, S.: Astronomie mit Infrarotlicht, public talk, VDI Public Lecture Series, Munich, Germany, July 2007.
- Trümper, J.: Das Rätsel der Dunklen Materie, public talk, Alfred Krupp Kolleg Greifswald, January 2007.
- Trümper, J.: Röntgenteleskope in der Erdumlaufbahn, public talk, VDI Rosenheim, March 2007.
- Trümper, J.: ROSAT, public talk, Augustinum München, April 2007.
- Trümper, J.: Weiße Zwerge und Schwarze Löcher, public talk, Sternfreunde Nordenham, June 2007.
- Trümper, J.: Thermal Emission from Pulsars and Isolated Neutron Stars, invited talk, Conference on High Energy Astrophysics, 50th Anniversary of the Sputnik, Moscow, Russia, October 2007.
- Trümper, J.: Galactic X-Ray Sources, invited talk, High Energy in Space, Palermo, Italy, October 2007.
- Trümper, J.: Memories of Livio Scarsi, invited talk, High Energy in Space, Palermo, Italy, October 2007.
- Trümper, J.: Röntgenteleskope in der Erdumlaufbahn, public talk, Besuch einer Carl Zeiss Gruppe am MPE, October 2007.
- Trümper, J.: Thermal Emission from Pulsars and Isolated Neutron Stars, colloquium, Physics Department Heraklion, Greece, November 2007.
- Trümper, J.: Galactic X-Ray Astronomy, colloquium, Physics Department Heraklion, Greece, December 2007.
- Ulubay-Siddiki, A.: Kompakt Cismiler Etrafinda Egrilikli Diskler - Warped Disks around Compact Objects, contributed talk, Istanbul Astrophysics Days, Sabanci University, Istanbul, Turkey, January 2007.
- Ulubay-Siddiki, A.: Self-Gravitating Warped Disks around Supermassive Black Holes, invited talk, N-body Dynamics in Near-Keplerian Potentials, Leiden, The Netherlands, June 2007.
- Ulubay-Siddiki, A.: Stable Warped Stellar Disks in the Galactic Center?, contributed talk, Celebrating 15 Years of Precision Astronomy in the Galactic Center - Hot Topics and Observational Challenges, Schloß Ringberg, Germany, June 2007.
- Ulubay-Siddiki, A.: Self-Gravitating Warped Disks around Nuclear Black Holes, contributed talk, Summer School „Active Galactic Nuclei at the Highest Angular Resolution: Theory and Observations“, Torun, Poland, August 2007.
- Ulubay-Siddiki, A.: Constraining the Mass of the Putative IMBH in the Core of GCIRS13E, contributed talk, Summer School „Active Galactic Nuclei at the Highest Angular Resolution: Theory and Observations“, Torun, Poland, September 2007.
- Valiante, E.: A mid-infrared spectroscopic study of sub-mm galaxies: luminous starbursts at high redshift, contributed talk, The Origin of Galaxies - Exploring Galaxy Evolution with the New Generation of Infrared-Millimeter Facilities, Obergurgl, Austria, March 2007.

van Dishoeck, E.: Astrochemistry of dense protostellar environments, invited talk, Astrophysics in the next decade: JWST and concurrent facilities, Tucson, USA, September 2007.

van Dishoeck, E.: Building planets and the ingredients of life between the stars: Grubb Parson prize public lecture, public talk, Durham University, UK, November 2007.

van Dishoeck, E.: SOFIA science opportunities to 2020, invited talk, SOFIA 2020 vision workshop, Pasadena, USA, December 2007.

Volwerk, M.: Fast flows in Themis like configuration: Part 1, contributed talk, Cluster Tail Workshop, Holbury St. Mary's, UK, March 2007.

Volwerk, M.: Europas's interaction with Jupiter's Magnetosphere: The wake region, contributed talk, Europlanet Scientific Congress 2007, Potsdam, Germany, August 2007.

Volwerk, M.: Magnetotail Dipolarizations and Associated Current Systems Observed by Cluster and DoubleStar, contributed talk, STAMMS2, Orleans, France, September 2007.

von Kienlin, A.: INTEGRAL und GLAST - zwei Satellitenmissionen für die Gamma-Astronomie,

invited talk, DLR - Institut für Raumflugbetrieb und Astronautentraining, Oberpfaffenhofen, Germany, October 2007.

Wilman, D.: Galaxies die in Groups: An IRAC Autopsy, contributed talk, The 1st International Subaru Conference: Panaramic Views of Galaxy Formation, Hayama, Japan, December 2007.

Wilman, D.: S0 Formation in Groups: Evidence at Intermediate Redshift, contributed talk, Tracing Cosmic Evolution with Clusters of Galaxies: Six Years Later, Sesto, Italy, June 2007.

Yaroshenko, V.V.: Collective processes in collisional dusty plasmas of planetary rings, contributed talk, 34. EPS Conference on Plasma Physics, Warsaw, Poland, July 2007.

Zhdanov, S.: Circulation and convection in complex plasmas, contributed talk, PK3 Plus Symposium, Garching, Germany, December 2007.

Zhdanov, S.: Circulation dynamo in complex plasmas, contributed talk, Liverpool University Department of Electrical Engineering and Electronics, Liverpool, UK, September 2007.

PhD Theses

Ajello, M.: Swift/BAT studies of AGN the Cosmic X-ray Background. TU München 2007.

Antonova, T.: Interaction of particles with complex electrostatic structures and 3D clusters. LMU München 2007.

Balestra, I.: Chemical abundances in the intracluster medium and in AGN. TU München 2007.

Blagau, A.: Characteristics of Earth's magnetopause from Cluster measurements. LMU München 2007.

Cappelluti, N.: Large scale structures in X-ray surveys. TU München 2007.

De Lorenzi, F.: Made-to-measure dynamical particle models of elliptical galaxies. Astronomisches Institut der Universität Basel and Max-Planck-Institut für extraterrestrische Physik 2007.

Fan, Y.: X-ray analysis of starburst and AGN components. TU München 2007.

Fassbender, R.: Studying Cosmic Evolution with the XMM-Newton Distant Cluster Project - X-ray Luminous Galaxy Clusters at $z > 1$ and their Galaxy Populations. LMU München 2007.

Kompaneets, R.: Complex plasmas: Interaction potentials and non-Hamiltonian dynamics. LMU München 2007.

Mokler, F.F.C.: Die Rolle der Staubkoagulation bei der Planetenentstehung - Coulomb-dipolinduzierte Gelierung im besonderen. LMU München 2007.

Pannella, M.: Morphological evolution of galaxies over the last 8 billion years. LMU München 2007.

Wölfel, S.: Neuartige DEPFET-RNDR-Detektoren im experimentellen Betrieb. Universität Siegen 2007

Diploma Theses

Das, P.: The dynamics and dark matter halo of the elliptical galaxy NGC 5846. LMU München 2007.

Fürmetz, M.: Entwicklung eines Kühlkonzepts für das Röntgenteleskop eROSITA. TU München 2007.

Harayama, Y.: The IMF of the massive star-forming region NGC 3603 from NIR adaptive optics observation. LMU München 2007.

Heidemann, R.: Nichtlineare Wellen in Dreidimensionalen Komplexen Plasmen. TU München 2007.

Schropp, M.: Feasibility test of an interferometric laser guide star. LMU München 2007.

Trepl, L.: Untersuchung der Emissionseigenschaften von rotationsgetriebenen Pulsaren mit den Röntgensatelliten XMM-Newton und ROSAT. LMU München 2007.

PR Work

- Greiner, J., W. Bornemann, C. Clemens, M. Deuter, G. Hasinger, M. Honsberg, H. Huber, S. Huber, M. Krauss, T. Krühler, A. Küpcü Yoldas, H. Mayer-Hasselwander, B. Mican, N. Primak, F. Schrey, I. Steiner, G. Szokoly, C.C. Thöne, A. Yoldas, S. Klose, U. Laux and J. Winkler: GROND commissioned at the 2.2 m telescope. *The Messenger* 130, 12-14 (2007).
- Hasinger, G.: *Das Schicksal des Universums*. C.H. Beck, München, 280 p (2007).
- Lichtenauer, G., A. Feige and A. von Kienlin: Von der Erkundung des Weltraums. In: *Zeitschrift „focus“* (Hrsg. JENOPTIK AG), 2/2007, 18-21 (2007).
- Klecker, B.: Das interplanetare Magnetfeld. *Sterne und Weltraum, Special 1*, 44-45, 2007.
- Klecker, B.: Wie es schnelle Teilchen regnet. *Sterne und Weltraum, Special 1*, 67-69, 2007.
- Poglitsch, A. et al.: PACS - Photodetector Array Camera & Spectrometer für das Herschel Space Observatory, Exhibition „Deutschland - Land der Innovationen“ at the Office of the Chancellor of the Federal Republic of Germany during the open house of the German Federal Government, Berlin, Germany, August 2007.
- Savaglio, S., T. Budavári, K. Glazebrook, D. Le Borgne, E. Le Floch, H.-W. Chen, J. Greiner and A. Küpcü Yoldas: GHostS Gamma-Ray Burst Host Studies. *The Messenger* 128, 47 (2007).
- Schweitzer, M. et al.: FIFI LS - Das „Far-Infrared Field-Imaging Line Spectrometer“ für SOFIA, Exhibition „Deutschland - Land der Innovationen“ at the Office of the Chancellor of the Federal Republic of Germany during the open house of the German Federal Government, Berlin, Germany, August 2007.
- Siebenmorgen, R., A. Smette, H.U. Kaeufl, A. Seifahrt, S. Uttenthaler, A. Bik, M. Casali, S. Hubrig, Y. Jung, F. Kerber, J. Melnick, A. Moorwood, J.-F. Pirard, H. Sana, E. Valenti, L. Tacconi-Garman, M. Hilker, F. Primas, P.J. Amado, A. Carmona, E.F. van Dishoeck, C. Foellmi, M. Goto, R. Gredel, E. Guenther, B. Gustaffson, D. Kurtz, C. Lidman, H. Linz, F. Martins, K. Menten, C. Moutou, P.E. Nissen, D. Nuernberger and A. Reiners: Exploring the near-infrared at high spatial and spectral resolution: first results from CRIRES science verification. *The Messenger* 128, 17-22 (2007).
- Sturm, E. et al.: Infrarotastronomie, Exhibition „Deutschland - Land der Innovationen“ at the Office of the Chancellor of the Federal Republic of Germany during the open house of the German Federal Government, Berlin, Germany, August 2007.
- Tapken, C., I. Appenzeller, A. Gabasch, J. Heidt, U. Hopp, R. Bender, S. Noll, S. Seitz and S. Richling: The puzzle of the Ly α galaxies: new results from the VLT. *The Messenger* 128, 51-55 (2007).
- von Kienlin, A.: GLAST - ein neues Auge für Astrophysiker. *Limburger Sternenpost* 2, 14-17 (2007).
- Zuther, J., S. Fischer, J.-U. Pott, T. Bertram, A. Eckart, C. Straubmeier, C. Iserlohe, W. Voges and G. Hasinger: Dissecting the Nuclear Environment of Mrk 609 with SINFONI the Starburst-AGN Connection. *The Messenger* 128, 44 (2007).

Books

- Aschenbach, B., V. Burwitz, G. Hasinger and B. Leibundgut (Eds.): *Relativistic Astrophysics and Cosmology - Einstein's Legacy*. Springer, Berlin - Heidelberg 2007, 504 p.
- Becker, W. and H.H. Huang: *Neutron Stars and Pulsars: About 40 yrs after the discovery*, Proceedings des 363rd WE-Heraeus Seminar, Bad Honnef, May 2006, MPE-Report 291, 2007, 229 p.
- Böhringer, H., G.W. Pratt, A. Finoguenov and P. Schuecker (Eds.): *Heating versus Cooling in Galaxies and Clusters of Galaxies*. Springer, Berlin 2007, 444 p.
- Tsyтович, V.N., G.E. Morfill, S.V. Vladimirov and H.M. Thomas (Eds.): *Elementary Physics of Complex Plasmas*. Springer, Heidelberg 2007, 370 p.

Collaborations / Transfer of Know-How

Scientific Collaborations by Country

Argentina

Observatorio Astronomico Felix Aguilar (OFA), Universität San Juan, and Instituto de Astronomia y Fisica del Espacio (IAFE), CONICET, Buenos Aires: H-alpha Solar Telescope for Argentina (HASTA).

Australia

Australian National University: Galaxienentstehung.

Melbourne University: Astro-Plasmaphysik.

Swinburne University of Technology, Victoria: Millisecond Pulsars.

Austria

Institut für Weltraumforschung der Österreichischen Akademie der Wissenschaften, Graz: CIS; EDI auf CLUSTER; Geomagnetischer Schweif.

Universität und TU Wien: Herschel-PACS.

Belgium

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

Europäische Kommission, Joint Research Centre (JRC-IRMM), Geel: Entwicklung von großflächigen Röntgenfiltern für eROSITA.

Brasil

Universidade de Sao Paulo: Galaxienentstehung.

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.

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

Germany

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

Christian-Albrechts-Universität, Kiel: IMPF; komplexe Plasmen; STEREO.

DLR Berlin: SOFIA.

DLR-Köln Porz: Plasmakristall Experiment; Rosetta Lander (ROLAND); PKE-Nefedov.

European Southern Observatory (ESO), Garching: KMOS

Multiobjekt-Spectrograph für VLT; GRAVITY; GROND; PARSEC für die VLT Laser Guide Star Facility; ROSAT (MIDAS); Galaxienentstehung; ASTRO-WISE; OmegaCAM, PRIMA testbed.

Fraunhofer Institut für Festkörpertechnologie, München: XEUS; eROSITA.

Fraunhofer Institut für Mikroelektronische Schaltungen und Systeme, Duisburg: Mikroelektronikentwicklungen; CAMEX 64B; JFET-CMOS Prozessor; XEUS; eROSITA.

International University Bremen: Astro-Plasmaphysik, CLUSTER.

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.

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

Max-Planck-Institut für Sonnensystemforschung, Katlenburg-Lindau: Experiment CELIAS auf SOHO; Experiment CIS auf CLUSTER; Rosetta Lander (ROLAND); Millionen Plasmatheorie; MIXS auf BepiColombo.

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

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 und Driftdetektoren für den Röntgenbereich; CAST.

Thüringer Landessternwarte Tautenberg: GROND; Gamma-Ray Bursts.

Technische Universität Braunschweig, Institut für Geophysik und Meteorologie: Hybridcode-Simulationen; Mirror-Moden.

Technische Universität Darmstadt: CAST.

Universität Bochum: Komplexe Plasmen; LUCIFER.

Universität Bonn: Test von Pixeldetektoren für XEUS; OmegaCAM; ASTRO-WISE.

Universität der Bundeswehr München: Venus Express.

Universität Erlangen: eROSITA.

Universität Greifswald: Komplexe Plasmen.

Universität Hamburg: eROSITA.

Universität Köln: Galaktisches Zentrum; GRAVITY.

Universitätssternwarte Göttingen: OmegaCAM.

Universität Siegen: Compton Kamera.
Universität Würzburg: ACE, STEREO.

France

CEA, Saclay: INTEGRAL-Spektrometer SPI; Herschel-PACS; CAST; SIMBOL-X.

Centre d'Etude Spatiale des Rayonnements (UPS), Toulouse: INTEGRAL-Spektrometer SPI; CIS/Cluster; Double Star.

Centre d'Etudes des Environnements Terrestres et Planétaires (CNRS), St Maur des Fossés: FAST - Aurora-physik; IMPF.

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

IGRP Marseille: Herschel-PACS.

Observatoire de Meudon: ASTRO-WISE.

Observatoire de Paris / LESIA: GRAVITY.

Université d'Orléans CNRS: PKE-Nefedov.

Greece

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.

Israel

Ber Sheva University: Astro-Plasmaphysik.

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

Weizmann Institut, Rehovot: Komplexe Plasmen; Galaktisches Zentrum.

Italy

Brera Astronomical Observatory: Himmelsdurchmusterung Galaxienhaufen; XEUS.

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

INAF Trieste: Gamma-Ray Bursts.

INFR Frascati: SIDDHARTA.

Istituto di Fisica Cosmica e Tecnologia, Mailand: INTEGRAL-Spektrometer SPI.

Istituto di Fisica dello Spazio Interplanetario (CNR), Frascati: Herschel-PACS; CLUSTER/CIS; Double Star.

OAA/LENS Firenze: Herschel-PACS.

OAP Padua: Herschel-PACS; OmegaCAM.

Osservatorio Astrofisico di Arcetri, Florenz: Hardpoints für den LBT-Primärspiegel.

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

Osservatorio di Padova: OmegaCAM.

Politecnico di Milano: rauscharme Elektronik; Röntgen-

detektorentwicklung.

Universität Neapel: Komplexe Plasmen.

Japan

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

Institute of Space and Astronautical Science, Yoshinodai: Suzaku; Astro-F Solar System Observations; Astro-Plasmaphysik.

Kyushu University: IMPF.

Tohoku University: Komplexe Plasmen; IMPF.

University of Tokyo: Astro-F Solar System Observations; Astro-Plasmaphysik.

Kroatia

Ministry of Science and Technology, Zagreb: CAST.

The Netherlands

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

SRON, Utrecht: COMPTEL; Chandra-LETG.

Sterrewacht Leiden: ASTRO-WISE; OmegaCAM.

TU Delft: Reflexions Messungen an schwarzen Farben.

University Eindhoven: Komplexe Plasmen; IMPF.

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

Norway

Universität Trømsø: Komplexe Plasmen; IMPF.

Portugal

Universität Lissabon: Komplexe Plasmen.

Romania

Institute for Space Sciences, Bukarest: Plasmaphysik; FAST; CLUSTER.

Russia

Institute for High Energy Densities (IHED) of the Russian Academy of Science, Moscow: Plasmakristall Experiment (PKE); PKE-Nefedov; PK-3 Plus; PK-4; IMPF.

Institute Physics of Earth, Moscow: Plasmaphysik; Astro-Plasmaphysik.

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

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

Switzerland

CERN, Geneva: CAST.

International Space Science Institute, Bern: Plasmaphysik; Astro-Plasmaphysik.

Observatoire de Genève Sauverny, Geneva: ISDC.

Universität Bern: SOHO/CELIAS; STEREO/PLASTIC.

Spain

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

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

Universidad de Zaragoza: CAST.

Taiwan

National Central University, Chungli: IMPF.

Turkey

Bogazici University, Istanbul: IMPF; CAST.

UK

BRUNEL University: XEUS.

John Moores University, Liverpool: Himmelsdurchmusterung Galaxienhaufen.

Rutherford Appleton Laboratory, Council for the Central Laboratory of the Research Councils: SIS-Junctions; Komplexe Plasmen; Rosetta Lander (ROLAND); JSOC für CLUSTER.

University of Birmingham: INTEGRAL-Spektrometer SPI; XMM-Newton.

University of Bristol: KMOS.

University of Durham: KMOS, PanSTARRS.

University of Edinburgh: KMOS, PanSTARRS.

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

University of Liverpool: Komplexe Plasmen.

University of Wales, Cardiff: Filter für Herschel-PACS und SOFIA.

University Oxford: Komplexe Plasmen; IMPF, KMOS.

University of Sheffield: Astro-Plasmaphysik.

USA

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

California Inst. of Technology, Pasadena: SAMPEX; ACE; X-ray survey, STEREO.

Clemson University: Gamma-Ray Bursts; Nukleare Astrophysik.

Dartmouth College, Hanover, NH: Weltraum-Plasmaphysik, CLUSTER.

Harvard University: PanSTARRS.

Institute for Astronomy, Hawaii, Honolulu: Galaxienentstehung, PanSTARRS.

Johns Hopkins University: PanSTARRS.

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

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

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

Naval Postgraduate School, Monterey: Modellierung der Halbleitereigenschaften von Galliumarsenidmaterial für Infrarotdetektoren.

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

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

Space Telescope Science Institute, Baltimore: Galaxienentstehung.

University of Arizona, Tucson: Kosmische Strahlung; SOHO/CELIAS; Planetenentstehung; LBT.

University of California, Berkeley: MPG/UCB-Kollaboration; Fern-Infrarot-Detektoren; Galliumarsenid-Zentrifuge; Polarlichtbeobachtungen; FAST; INTEGRAL-Spektrometer SPI; CLUSTER/CIS; STEREO.

University of California, San Diego: CLUSTER/EDI; INTEGRAL-Spektrometer SPI; IMPF.

University of Colorado, Boulder: SAMPEX.

University of Iowa, Iowa City: Komplexe Plasmen; CLUSTER/EDI; IMPF; PKE-Nefedov.

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

University of Maryland, College Park, MD: SOHO; ACE.

University of New Hampshire, Durham: SEPICA/ACE; CLUSTER; SOHO; FAST; STEREO.

University of Pittsburgh: Galaxienentstehung.

University of Southern California, Los Angeles: SEM/CELIAS Experiment auf SOHO.

University of Texas, Austin: Galaxienentstehung

University of Toledo: Galaxienentstehung.

University of Washington, Seattle: CLUSTER/CIS.

University Space Research Association, Moffett Field: SOFIA.

Multinational Collaborations - Projects

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.

Bepi Colombo: ESA; MPS Katlenburg-Lindau, University of Leicester, UK; University of Helsinki, Finland; CAB in Madrid, Spain

CAST: 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.

CDS – Coronal Diagnostic Spectrometer for the Solar and Heliospheric Observatory: Rutherford Appleton Laboratory Chilton, Mullard Space Science Laboratory London, University College London, Oxford University, UK; LPSP Verrieres-le-Buisson, Nice Observatory, France; Oslo University, Norway; ETH Zürich, Switzerland; GSFC Greenbelt, NRL Washington, HCO Cambridge, Stanford University, USA; Padova University, Turin University, Italy; MPS Katlenburg-Lindau, Germany.

CELIAS – Experiment for SOHO: MPS Katlenburg-Lindau, TU Braunschweig, Germany; Universität Bern, Switzerland; IKI Moskow, Russia; University of Maryland College Park, University of New Hampshire Durham, University of Southern California Los Angeles, USA.

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.

CIS-Experiment for CLUSTER: MPS Katlenburg-Lindau Germany; Universität Bern, Switzerland; CESR Toulouse, France; IFSI-CRR Frascati, Italy; Universität Heraklion, Greece; Lockheed Palo Alto Res. Lab., Space Science Lab., Univ. of California Berkeley, Univ. of New Hampshire Durham, Univ. of Washington Seattle, USA.

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, Pittsburg, 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.

DOUBLE STAR: MPS Katlenburg-Lindau, Germany; IFSI-CRR Frascati, Italy; CESR Toulouse, France; Space Science Lab., University of California, Berkeley, University of New Hampshire, Durham NH, USA.

EDI-Experiment for CLUSTER: University of New Hampshire Durham, University of California San Diego, USA.

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

FAST: SSL-UCB Berkeley, USA; CETP St.Maur, France.

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

GLAST – 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.

GRAVITY – Instrument for VLT Interferometry: MPIA Heidelberg, Germany; Observatoire de Paris / LESIA, France; Universität zu Köln, Germany; European Southern Observatory, Garching, Germany.

GROND - Gamma-Ray Burst Optical Near-IR Detector: Landessternwarte Tautenburg, Germany; ESO Garching, Germany.

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.

IMPF – International Microgravity Plasma Facility / IMPACT – International Microgravity Plasma, Aerosol and Cosmic Dust Twin Laboratory: Oxford University, UK; Université d'Orléans CNRS, France; Institute for High Energy Densities Moscow, Russia; University of Iowa, USA; University of Tromsø, Norway; National Central University Chungli, Taiwan; Eindhoven University of Technology, The Netherlands; University of California, San Diego, USA; Tohoku University, Kyushu University, Japan; Christian-Albrechts-Universität Kiel, Germany.

INTAS – Cooperation of Western and Eastern European Scientist: France, Germany, Norway, Russia.

ISDC – INTEGRAL Science Data Centre: Observatoire de Geneva Sauverny, 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 die Astrofisica Spatiale 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; Institute de Physique Nucleaire Université de Louvain, Belgium; Istituto di Fisica Cosmica e Tecnologia del CNR Milano, Italy; University de Valencia Burjassot, Spain; University of Birmingham, UK; NASA/GSFC Greenbelt, University of California Berkeley, University of California, San Diego, USA.

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

LBT, Large Binocular Telescope Project: MPIA Heidelberg, MPIfR Bonn, Landessternwarte Heidelberg Königstuhl, Astrophysikalisches Institut Potsdam, Germany; University of Arizona Tucson, USA; Osservatorio Astrofisico di Arcetri Firenze, 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.

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

PanSTARRS: MPIA Heidelberg, Germany, University of Hawaii, Harvard University, USA, Johns Hopkins Univ. Baltimore, MD, USA, Universities of Durham, Edinburgh, Belfast, UK.

Plasma-crystal experiment PKE-Nefedov: IHED Moscow, Russia; University of Iowa City, USA; DLR-Köln, Germany; Université d'Orléans CNRS, France.

PK-3 Plus (Plasma-crystal experiment): IHED Moscow, Russia.

PK-4 (Plasma-crystal experiment): IHED Moscow, Russia.

Plasma Physics, Astro-Plasmaphysics: International Space Science Institute Bern, Switzerland; Institute Physics of Earth Moscow, Russia; University of Sheffield, UK.

PLASTIC experiment for STEREO: University of New Hampshire Durham, NASA/GSFC Greenbelt, USA; Universität Bern, Switzerland; Universität Kiel, Germany.

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

SIMBOL-X: Osservatorio Astronomico di Brera, Italy; CEA Saclay, France.

Swift: 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; IHED, Moscow, Russia.

XEUS: 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), Japan.

XMM-Newton/SSC: Astrophysikalisches Institut Potsdam, Germany; SAP Saclay, CDS Strasbourg, CESR Toulouse, France; University of Leicester, Institute of Astronomy Cambridge, MSSL London, UK.

XMM-Newton/TS: ESTEC Noordwijk, The Netherlands.

XMM-Newton/EPIC: SAP Saclay, IAS Orsay, CESR Toulouse, France; University of Leicester, University Birmingham, UK; CNR Mailand-Palermo-Bologna-Frascati, Osservatorio Astronomico Mailand, Italy; Institut für Astronomie und Astrophysik Tübingen, Germany.

Industrial Collaborations

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.

ASTEQ GmbH, Kelkheim: Manufacturing of detector arrays of pressed Ge:Ga, and processing of gallium arsenide probes.

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

Bonerz engineering, Weiler-Simmerberg: Platinum development, electronics development.

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

Carl Zeiss, Jena: eROSITA mirror and mandrels.

Drollinger, Birkenfeld: Gilding of detector parts for FIFI-LS.

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.

Freyer GmbH, Tuningen: Production of structural parts for LUCIFER; PANTER.

GEWO, Wörth/Hörlkofen: Structural parts for FIFI-LS.

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

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

Hans Englett OHG, Berlin: Manufacturing of front panels and metering devices.

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

Ingenieurbüro Dohnalek, München: Design FIFI-LS and support on the design of pressed Ge:Ga-arrays.

Ingenieurbüro pfma, Haar-Salmdorf: Design and manufacturing of GROND components.

Ingenieurbüro Steinbach, Jena: Design and manufacturing of the GROND-M3 flip-mirror unit.

Ingenieurbüro Weisz, München: Design and mechanical engineering for LUCIFER; PACS test optics; XEUS mirror technology.

Kayser-Threde GmbH, München: Main contractor for Herschel-PACS; plasma-crystal experiments on the ISS; PKE; PK-3 Plus, PK-4, eROSITA-Spiegelsystem.

Kugler GmbH, Salem: Mirrors for OPTIMA, FIFI-LS.

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

PNSensor, München: Development and Manufacturing of semiconductor detectors.

Pribil D., Unterhaching: Manufacturing of structural parts for LUCIFER.

Sagem, Paris: Manufacturing of filters for OmegaCAM.

SCHOTT GLAS, Mainz: Investigations on the manufacturing of mirrors; XEUS.

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

Tafelmaier Dünnschichttechnik, Rosenheim: Coating of optical components for GROND.

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

Thomas Markl GmbH, Deisenhofen: Manufacturing of structural parts for PACS and FIFI-LS.

Zeiss, Oberkochen: Polishing of the SPIFFI mirrors.

Activities in Transfer of Know-How

The many cooperations with industry and other research groups leads to a natural transfer of scientific and technical know-how, especially if orders are given to industry. In contrast, we list in the following those cooperations which are financed by industry as well as patents and licenses.

A) Research cooperations financed by Industry

Dr. Johannes Heidenhain-Stiftung, Traunreut: Technology development in the field of X-ray optics and spectroscopy; absolute calibration of X-ray CCD systems.

OHB-System GmbH, Bremen: Pre-investigations for a flexible S/W simulator for small satellites.

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

B) Licences

Ganimed AG, Freiburg: EKG-Analysen.

Knoll AG, Ludwigshafen: Pharmakologie.

ADTEC, Japan, Plasma Torch.

Biocam, GmbH, Regensburg: Melanomerkennung.

Baader Planetarium GmbH, Mammendorf:

Reflexionsgitter Spectrograph für Lehrzwecke.

C) Cooperations with Universities (by contract)

Anaesthesiology:

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

Scanning Probe Microscopy:

Institut für Kristallographie und Angewandte Mineralogie,

Ludwig-Maximilians-Universität, München.

Radiology:

Institut für Röntgendiagnostik, TU München.

Pattern recognition:

Bayerisches Landeskriminalamt, StZ, München.

Plasmamedicine:

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

Klinik und Poliklinik für Dermatologie, Universität Regensburg.

Russian Academy of Sciences, RAS, Moscow (Russia).

Russian Academy of Medical Sciences, RAMS, Moscow (Russia).

D) Patents - Activities in 2007

„Ventu-Plaster“ (Plasmamedizin zur Sterilisation) - Patent 07009716.7 (EU)

DEPFET Auslesestruktur mit hohem dynamischen Bereich - Patent 10 2007 048 890.6 (D)

Method for producing particles with diamond structure - EP 1456436 B1

Method and Device for Operating a Plasma Device - EP 1825493 A0

Plasma Source - EP 1765044 A1

Halbleiterdetektor und zugehöriges Betriebsverfahren - Patent 10 2007 029 898.8 - 33 (D)