

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

**Jahresstatistik 2008**

## **Impressum**

Herausgeber: Max-Planck-Institut für extraterrestrische Physik

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

# PERSONAL

## Direktoren

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

Prof. Dr. R. Genzel, Infrarot- und Submillimeter-Astronomie, gleichzeitig Prof. of Physics, University of California, Berkeley (USA) (Geschäftsführung, ab 1.11.)

Prof. Dr. G. Hasinger, Hochenergie-Astrophysik (Geschäftsführung, bis 31.10.)

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

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

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

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

## Selbstständige Nachwuchsgruppen und Minerva Fellows

Dr. N.M. Förster Schreiber

Dr. S. Khochfar

Dr. S. Komossa

## MPG Fellow

Prof. Dr. A. Burkert (LMU)

## Direktionsassistent

Dr. H. Scheingraber

## Wissenschaftlicher Sekretär

Dr. W. Collmar

## Pressesprecherin:

Dr. M. Clerico

## Auswärtige wissenschaftliche Mitglieder

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

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

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

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

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

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

## Kuratorium (gemeinsam mit dem MPI für Astrophysik)

I. Aigner, Mitglied des Bundestages, Gmund

Dr. L. Baumgarten, Vorstandsmitglied DLR

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

J. Breitkopf, Kayser-Threde GmbH, München

D. Dauke, Bundesministerium für Wirtschaft und Technologie, Berlin

H.-J. Dürmeier, Süddeutscher Verlag, München

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

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

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

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

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

## Fachbeirat

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

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

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

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

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

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

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

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

## Erweiterter Fachbeirat

Prof. Dr. H. Gleiter, Forschungszentrum Karlsruhe

Prof. Dr. R. Sauerbrey, Forschungszentrum Rossendorf, Dresden

## Humboldt-Forschungspreisträger

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

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

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

## A. v. Humboldt-Stipendiaten

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

Dr. V. Yaroschenko, Universiteit Gent (Belgien)

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

## MPE Senior Research Fellow

Dr. K. Iwasawa

## Wissenschaftliche Auszeichnungen, Berufungen

Genzel, Reinhard: Shaw Preis, Hong Kong (China)

Genzel, Reinhard: Bishop Lecture, Columbia University (USA)

Genzel, Reinhard: Sackler Lecture, University of Cambridge (UK)

Gerhard, Ortwin: President of IAU Division VII

Hasinger, Günter: President of IAU Division XI

Mokler, Felicitas: Klaus-Tschira-Preis, Heidelberg (Deutschland)

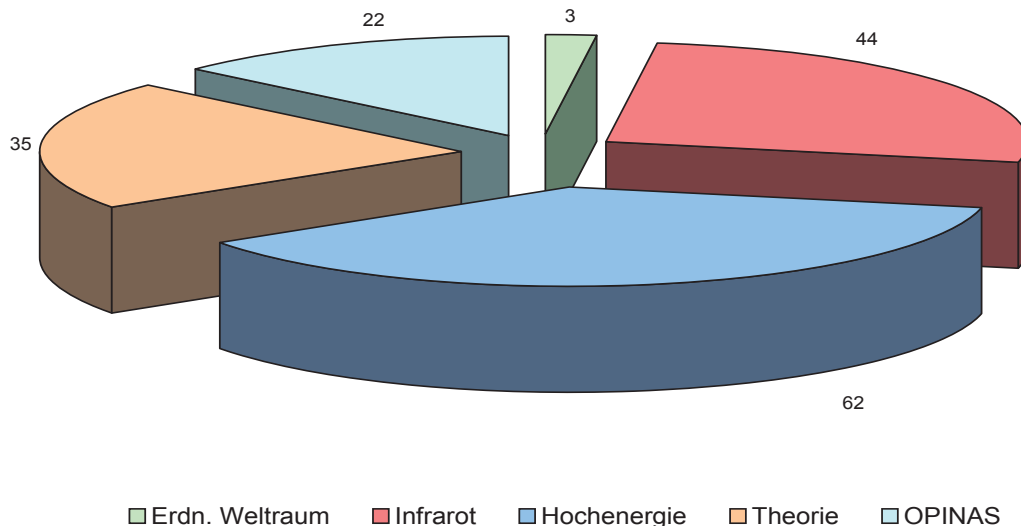
Savaglio, Sandra: Pythagoras-Preis (Italien)

Schmidt, Maarten: Kavli-Preis (Norwegen)



## Wissenschaftliche Arbeitsgruppen

### Mitarbeiter nach Wissenschaftlichen Arbeitsgruppen



#### Physik des erdnahen Weltraums

Teamassistentin: Zanker-Smith, J. (bis 30.11.)  
Georgescu, Dipl.-Phys. E. (bis 31.1.); Klecker, Dr. B.

#### Gäste

Blagau, Dr. A. (21.7.-20.9.); Bunesco, C. (29.9.-31.10.);  
Comisel, Dr. H. (15.-21.6., 1.-30.9.); Dröge, Dr. W. (17.5.-  
12.6., 4.-30.8.); Kanakal, Dr. S. (2.-7.8.); Kartavykh, Dr.  
J. (19.5.-10.6., 4.8.-31.8.); Marghitu, Dr. O. (8.10.-5.11.)

#### Infrarot- und Submillimeter-Astronomie

Sekretariat: Harai-Ströbl, S.  
Ageorges, Dr. N.; Agudo Berbel, A.; Bartko, Dr. H.; Bauer,  
Dipl.-Phys. O.; Berta, Dr. S.; Bouché, Dr. N.; Brown, Dr.  
J. (seit 7.1.); Contursi, Dr. A.; Cesarsky, Dr. D. (bis 28.2.);  
Cresci, Dr. G.; Davies, Dr. R.; Doublier Pritchard, Dr. V.  
(seit 14.1.); Eisenhauer, Dr. F.; Feuchtgruber, Dipl.-Phys.  
H.; Förster Schreiber, Dr. N.; Friedl, A. (bis 14.1.); Geis,  
Dr. N.; Gemperlein, H.; Gillessen, Dr. S.; Gracia Carpio,  
Dr. J. (seit 26.3.); Gräter, A.; Gueguen, A.; Hartinger, Dr.  
C.; Herczeg, Dr. G. (seit 1.8.); Hicks, Dr. E.; Hofmann, Dr.  
R.; Katterloher, Dr. R.; Kleiser, A.; Kornberg, Dr. M. (bis  
30.4.); Krombach, H.; Lutz, Dr. D.; Müller, Dr. T.; Nordon,  
Dr. R.; Osterhage, S.; Poglitsch, Dr. A.; Popesso, Dr. P.;  
Raab, Dr. W.; Rabien, Dr. S.; Schweitzer, Dr. M. (bis  
30.4.); Sturm, Dr. E.; Tacconi, Dr. L.; Trippe, Dr. S (seit  
1.8.); Wetzstein, Dr. M.

#### Gäste

Jaffe, Prof. D. (10.6.-17.7.); Klein, Dr. R. (26.3.-18.4.);  
Netzer, Prof. H. (1.-30.9.); Renzini, Prof. A. (20.7.-3.8.);

Sani, E. (6.5.-30.11.); Saykally, Prof. R. (8.7.-14.8.);  
Shapiro, K. (1.6.-5.7.)

#### Doktoranden / Diplomanden

Buschkamp, P. (Hofmann); Dodds-Eden, K. (Genzel);  
Engel, H. (Davies); Fritz, T. (seit 8.1., Gillessen); Genel,  
S. (Genzel); Hamaus, N. (bis 20.3., Gillessen); Hölzl, G.  
(bis 31.10., Rabien); Kolmeder, J. (bis 2.5., Eisenhauer);  
Mascetti, L. (seit 26.5., Gillessen); Mayer, P. (seit 1.9.,  
Eisenhauer); Müller Sanchez, F. (bis 30.6., Davies);  
Pfuhl, O. (Eisenhauer); Shao, L. (seit 1.9., Lutz); Trippe,  
Dipl.-Phys. S. (bis 31.1., Genzel); Valiante, Dipl.-Phys.  
E. (bis 31.10., Lutz/Sturm)

#### Hochenergieastrophysik

Sekretariat: Boller, B.  
Teamassistentin: Frankenhuizen, W.  
Ajello, Dr. M. (bis 31.7.); Andritschke, Dr. R.; Aschenbach,  
Dr. B.; Balestra, Dr. I.; Becker, Dr. W.; Boller, Prof. Dr. T.;  
Bongiorno, Dr. A.; Bräuninger, Dr. H.; Bribian-Sanchez,  
B.; Briel, Dr. U.; Brunner, Dr. H.; Brusa, Dr. M.; Burkert,  
Dr. W.; Burwitz, Dr. V.; Cappelluti, Dr. N.; Carlson, Dr.  
A.; Dennerl, Dr. K.; Diehl, Dr. R.; Elbs, Dr. J.; Eder, Dipl.  
Ing. J.; Finoguenov, Dr. A.; Frankenhuizen, W.; Freyberg,  
Dr. M.; Friedrich, Dr. P.; Greiner, Dr. J.; Haberl, Dr. F.;  
Hartner, Dipl.-Math. G.; Hirschinger, M.; Iwasawa, Dr. K.  
(bis 31.3.); Kanbach, Dr. G.; Kienlin von, Dr. A.; Kimmel,  
Dr. N.; Komossa, Dr. S.; Küpcü Yoldas, Dr. A. (bis 31.7.);  
Lemson, Dr. G.; McBreen, Dr. S. (bis 30.11.); Meidinger,  
Dr. N.; Misaki, Dr. K.; Mokler, Dr. F.; Petry, Dr. D. (bis  
31.7.); Pfeffermann, Dipl.-Phys. E.; Pietsch, Dr. W.;

Porro, Dr. M.; Predehl, Dr. P.; Ramirez, Dr. J.M.; Rehm, D.; Rovilos, Dr. M.; Sala, Dr. G. (bis 30.9.); Savaglio, Dr. S.; Schaller, G.; Schopper, Dr. F.; Strateva, Dr. I.; Strong, Dr. A.; Strüder, Prof. Dr. L.; Treis, Dr. J.; Voges, Dr. W.; Vongehr, M.; Voss, Dr. R.; Yoldas, A.; Zhang, Dr. X.-L.; Zuther, Dr. J.

### **Gäste**

Ajello, M. (8.-22.12.); Beloborodov, A. (15.-16.12.); Bolzonella, M. (19.-26.10.); Cucciati, O. (19.-24.10.); Forman, B. (17.-25.11.); Griffith, R. (29.6.-25.7.); Halooin, Dr. H. (bis 30.6.); Hamadache, C. (1.4.-31.5.); Hartmann, Prof. D. (1.-31.8., 1.-31.10.); Hatzidimitriu, D. (15.-20.12.); Heng, K. (9.-12.6.); Henry, P. (5.5.-8.6.); Honglin L. (15.4.-15.10.); Iovino, A. (20.-24.10.); Iyudin, A. (6.-23.12.); James, B. (20.10.-14.11.); Kniffen, D. (1.-5.12.); Krumpe, M. (3.-14.11.); Mazzalay, X. (seit 1.1.); McBreen, S. (8.-12.12.); Mignani, R. (13.-21.11.); Miyaji, T. (14.-23.6.); Mohr, J. (13.5.-18.8.); Myjaji, T. (17.10.-17.11.); Nasiroğlu, I. (seit 12.11.); Ohlendorf, H. (1.3.-30.4., 1.8.-30.9.); Porter, T. (9.-14.11.; 25.-30.11.); Posselt, B. (6.-11.5.); Rau, A. (13.-28.11.); Salvato, M. (14.11.-5.12.); Schmid, C. (3.-7.11.); Schmidt, M. (15.6.-4.7.); Schwarz, R. (25.11.-5.12.); Suades, M. (1.9.-31.12.); Trinchieri, G. (23.7.-15.8.); Yanli, A. (bis 19.9.); Zhou, H. (bis 31.5.)

### **Doktoranden / Diplomanden**

Afonso, P. (Greiner); Bähr, A. (Strüder); Bauer, Dipl.-Phys. M. (Pietsch); Bissaldi, E. (v. Kienlin); Bottacini, E. (Greiner); Burlon, D. (seit 1.12., Greiner); Chaudhary, Dipl.-Phys. P. (Hasinger); Clemens, Dipl.-Phys. C. (Greiner); Eger, P. (Haberl); Ebermayer, Dipl.-Phys. St. (Strüder); Esquei, Dipl.-Phys. P. (Freyberg); Fedl, V. (Strüder); Filgas, R. (seit 1.8., Greiner); Fürmetz, Dipl.-Phys. M. (Predehl); Grünecker, B. (Becker); Henze, Dipl.-Phys. M. (Pietsch); Huang, Dipl.-Phys. H.-H. (Becker); Huber, Dipl.-Phys. B. (Kanbach); Hyde, E. (Meidinger); Jocham, C. (Becker); Kimmel, Dipl.-Phys. N. (Strüder); Kretschmer, Dipl.-Phys. K. (Diehl); Krühler, Dipl.-Phys. T. (Greiner); Lang, Dipl.-Phys. M. (Diehl); Le, D.T. (Becker); Lauf, T. (Strüder); Löw, S. (Greiner); Mendes, Dipl.-Phys. P. (Breitschwerdt); Mikova, A. (v. Kienlin); Mühlegger, Dipl.-Phys. M. (Hasinger); Ohlendorf, H. (seit 1.10., Diehl); Olivares, F. (seit 1.10., Greiner); Orlando, E. (bis 31.10.; Strong); Prymak, N. (bis 30.6.; Greiner); Rabe, J. (Becker); Sädler, C. (Becker); Schächner, Dipl.-Phys. G. (Meidinger); Stefanescu, Dipl.-Phys. A. (bis 30.11.; Kanbach); Stiele, Dipl.-Phys. H. (Pietsch/Hasinger); Sturm, R. (Haberl); Wölfel, Dipl.-Phys. S. (Strüder)

### **Theorie und Komplexe Plasmen**

Sekretariat: Langer, A. / Collmar, E.

Aschenbrenner, Dr. T.; Badyopadhyay, Dr. P.; Böhringer, Dr. H.; Bunk, Dr. W.; Chaudhuri, Dr. M.; Couedel, Dr. L.; Fassbender, Dr. R.; Höfner, Dipl.-Phys. H.; Ivlev, Dr. A.; Khrapak, Dr. S.; Klumov, Dr. B.; Kompaneets, Dr. R.; Konopka, Dr. U.; Kretschmer, Dr. M.; Li, Dr. Y.; Monetti, Dr. R.; Nosenko, Dr. T.; Nosenko, Dr. V.; Ota, Dr. N.; Pierini, Dr. D.; Pompl, Dr. R.; Pratt, Dr. G.; Pustynnik, Dr. M.; Räth, Dr. C.; Rubin-Zuzic, Dr. M.; Scheingraber, Dr. H.; Shimizu, Dr. T.; Shimizu, Dr. S.; Sidorenko, Dr. I.; Thoma, Dr. M.; Thomas, Dr. H.; Yaroshenko, Dr. V.; Zhdanov, Dr. S.

### **Gäste**

De Angelis, Prof. U.; Fortov, Prof. V.; Vladimirov, Prof. S.; Tsyrovich, Prof. V.; Samsonov, Prof. D.

### **Doktoranden / Diplomanden**

Antonova, Dipl.-Phys. T. (Morfill); Braglia, Dipl. Phys. F. (seit 1.10., Böhringer); Brandt, Dipl.-Phys. P. (Morfill); Du, Ch. (seit 1.8., Thomas); Fink, Dipl.-Phys. M. (Morfill); Giodini, Dipl. Phys. S. (Böhringer); Heidemann, R. (Thomas); Huber, Dipl.-Phys. P. (Morfill); Jiang, Ke (Morfill); Knaepk, Dipl.-Phys. C. (Morfill); Mitic, S. Dipl. Phys. (Morfill); Mihatsch, Dipl. Phys. S. (Bunk); Mois, A. (Böhringer); Rossmannith, Dipl. Phys. G. (Morfill); Santos, Dipl. Phys. J. (seit 1.10., Böhringer); Schwabe, Dipl.-Phys. M. (Konopka); Simionescu, Dipl. Phys. A. (Böhringer); Suhada, Dipl. Phys. R. (Böhringer); Sütterlin, Dipl.-Phys. R. (Morfill); Zhang, Y.-Y. (Böhringer)

### **Optische und Interpretative Astronomie**

Sekretariat: Rieperding, M.

Burkert, Prof. Dr. A.; Coccato, Dr. L.; De Lorenzi, Dr. F.; Drory, Dr. N.; Gerhard, Prof. Dr. O.; Grillo, Dr. C.; Grupp, Dr. F.; Hopp, Dr. U.; Khochfar, Dr. S.; Krause, Dr. M.; Montalto, Dr. M.; Muschiello, Dr. B.; Noyola y Loya, Dr. E.; Phleps, Dr. S.; Relke, Dr. H.; Saglia, Dr. R.; Sanchez, Dr. A.; Schartmann, Dr. M.; Senger, Dr. R. (seit 1.9.); Snigula, Dr. J.; Wilman, Dr. D.

### **Gäste**

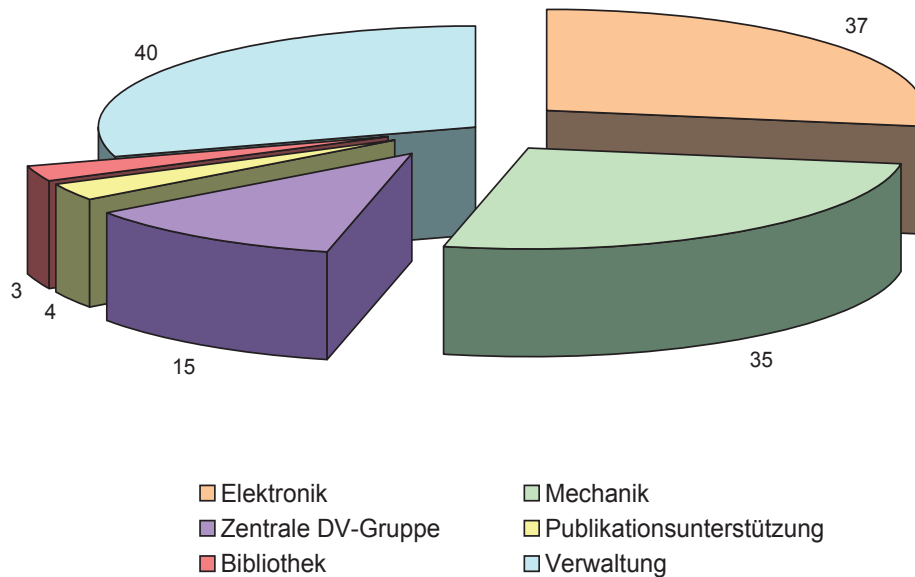
Gebhardt, Dr. K. (28.5.-22.8.); Hill, Dr. G. (1.-31.10.); Komatsu, Dr. E. (1.7.-24.8.)

### **Doktoranden / Diplomanden**

Balaguera-Antolinez, A. (Bender); Connelly, J. (Bender); Hirschmann, M. (Burkert); Köhler, R. (Bender); Kotarba, H. (Bender); McNeil, E. (Gerhard); Montesano F. (Bender); Morganti, L. (Gerhard); Prianto Rusli, S. (Saglia); Schlagenhauser, H. (Bender); Schoenrich, R. (Bender); Ulubay Siddiki, A. (Gerhard)

## Ingenieurbereich und Werkstätten

### Ingenieurbereich, Werkstätten und Zentraler Bereich



#### Elektronik

Tarantik, Dipl.-Ing. K. (Leitung Elektronik)  
 Albrecht, Dipl.-Ing. S.; Albrecht, F. (18.2.-14.3., 30.7.-5.9.); Barl, Dipl.-Ing. (FH) L.; Bornemann, Dipl.-Ing. (FH) W.; Burghardt, Dipl.-Ing. (FH) T.; Cibooglu, H.; Deuter, M.; Emslander, A.; Fumi, Dr. F.; Geithner, M. (4.8.-12.9.); 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.; Kellner, Dipl.-Ing. (FH) S.; Kink, Dipl.-Ing. (FH) W.; Langer, P.; Lederer, R.; Mießner, D. (seit 1.7.); Müller, Dipl.-Ing. (FH) S.; Oberauer, F.; Rau, Dipl.-Ing. (FH) C.; Reiffers, J. (seit 1.10.); Reiss, P.; Rothermel, Dr. H.; Rupprecht, T.; Schneider, M.; Schrey, F.; Tomic, K. (seit 1.9.); Wildgruber, Dipl.-Ing. G.; Yaroshenko, V.; Zanker-Smith, J.; Ziegleder, Dipl.-Ing. (FH) J.

#### Mechanik

Thiel, Dipl.-Ing. M. (Leitung Mechanik)  
 Arzt, S. (bis 31.7.); 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.; Feldmeier, P.; Gahl, J.; Goldbrunner, A.; Haug,

Dipl.-Ing. (FH) M.; Honsberg, M.; 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.; Rohe, C.; Sandmair, R.; Schnell, P.; Schunn, W.; Soller, F.; Straube, P.; Tiedemann, Dipl.-Ing. L.

#### Auszubildende

Bibracher, M.; Cziasto, D. (seit 1.9.); Hartwig, J. (bis 28.2.); Hasinger, S.; Huber, D.; Mihé, F. (seit 1.9.); Niemetz, E.; Schindlmeier, M.; Schneider, A. (bis 28.2.); Senftleben, S., Urban, T.

#### Schülerpraktikum (Haupt- und Realschulen)

Berger, F. (10.-14.3.); Czempiel, M. (3.-7.11.); Emslander, A. (17.-21.3.); Kratschmann, T. (3.-7.11.); Meister, J. (11.-15.2.); Meyer, C. (21.-25.1.); Müller, S. (2.-6.6.); Naiser, C. (20.-22.10.); Röhrli, A. (2.-6.6.); Senftleben, S. (27.-31.10.)

#### Hochschulpraktikum

Dittrich S. (17.3.-11.4.); Edlmann S. (16.6.-4.7., 1.-19.9.); Gabriel, P. (7.7.-18.7.)

## Zentrale Bereiche

### Datenverarbeitung DV-Ausschuß

Bauer, Dipl.-Phys. O.H. (Vorsitzender)  
 Bohnet, Dipl.-Phys. A.; Burwitz, Dr. V.; Haberl, Dr. F. (Stellvertreter); Lutz, Dr. D.; Müller, Dipl.-Ing. (FH) S.; Ott, Dr. T.; Petry, Dr. D. (bis 31.7.); Rubin-Zuzic, Dr. M.; Sütterlin, R.

### Zentrale DV-Gruppe

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

### Publikationsunterstützung

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

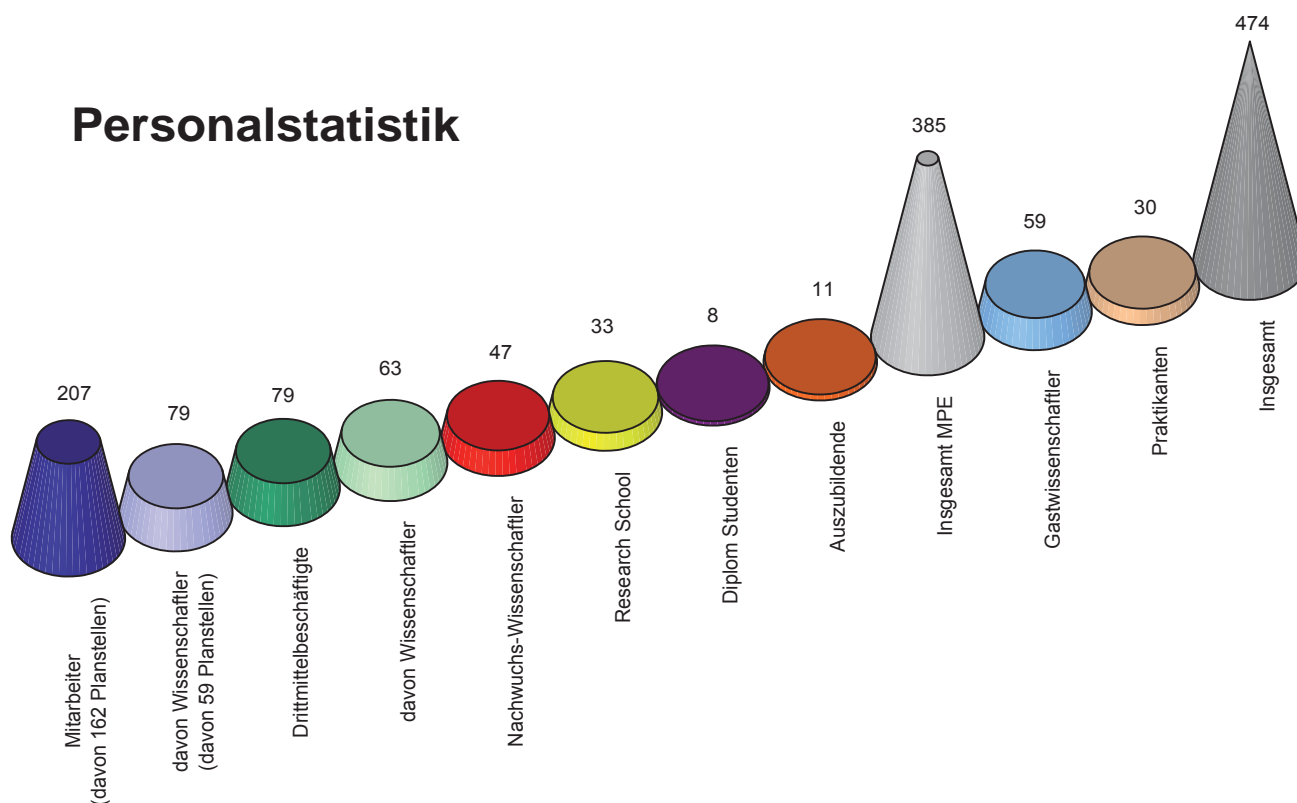
### Bibliothek

Chmielewski, E. (Leitung)  
 Blank, E. (seit 1.2.); Hardt, C.

### Verwaltung

Ihle, M. (Leitung VAD)  
 Sekretariat: Kliem, V.  
 Apold, G.; Arturo, A.; Bauernfeind, M.; Bitzer, U.; Blascheck, M.; Cziasto, U.; Doll, E.; Eicher, C.; Ertl, M.; Goldbrunner, S.; Grasemann, M.; Grohmann, M.; Gschnell, H.-P.; Hübner, R.; Inhofer, I.; Jäkel, T.; Jirsch, J.; 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. (Azubi); Scheiner, B.; Seeger, G.; Steinle, R.; Strecker, R.; Thiess, L.; Troll, P. (bis 29.2.); Vogt, J.P.

## Personalstatistik

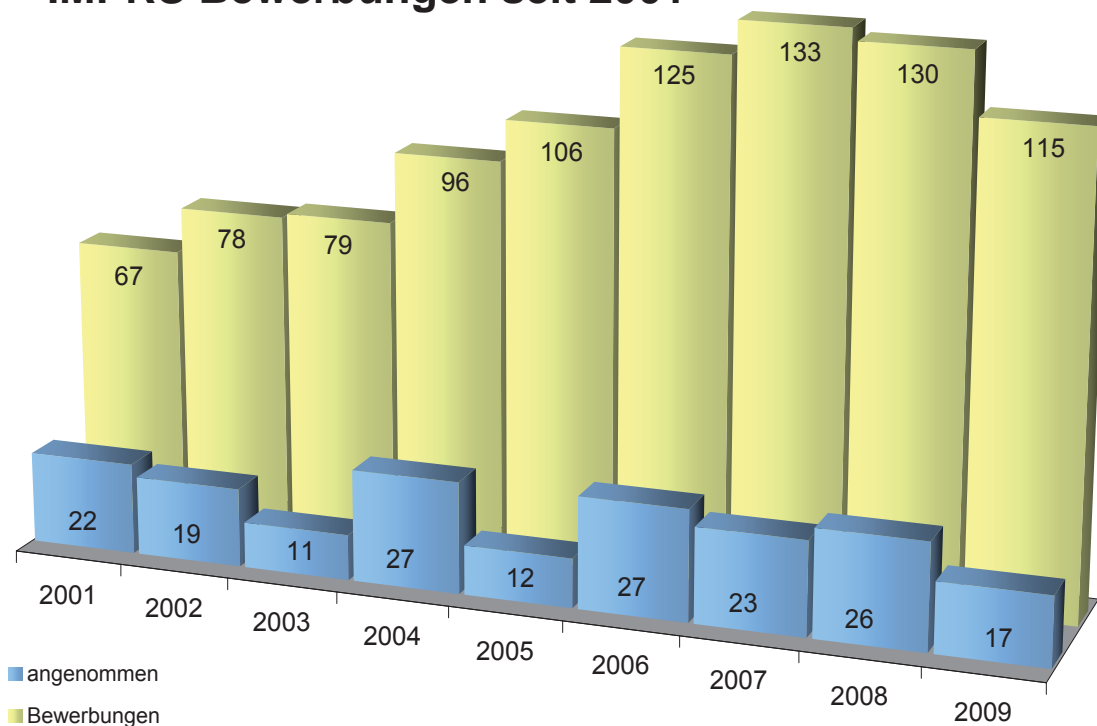


## Internationale Max-Planck Research School (IMPRS) für Astrophysik

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

ischen Südsternwarte ESO. Im akademischen Jahr 2008 nahmen insgesamt 80 Studenten an dem Programm teil, davon 33 am MPE. Im Jahr 2008 haben sich 115 Studenten für das Studienjahr 2009 beworben, wovon 17 angenommen wurden.

### IMPRS Bewerbungen seit 2001



Jährliche Bewerbungen für das IMPRS Programm in Garching. Seit dem Start haben sich insgesamt 929 Studenten dafür beworben.

### Öffentlichkeitsarbeit

Das MPE engagierte sich 2008 durch folgende Aktivitäten in der Öffentlichkeitsarbeit: 56 populärwissenschaftliche Vorträge durch Wissenschaftler, 7 populärwissenschaftliche Artikel, 21 Pressemitteilungen über wissenschaftliche Ergebnisse,

24 Institutsführungen (meist naturwissenschaftlich orientierte Schulklassen), die Betreuung von 23 Schüler- (1 - 2 Wochen) und 7 Hochschulpraktikanten (4 - 8 Wochen), Teilnahme am Girl's Day und die Erstellung des MPE-Jahreskalenders.



## Projekt-Gruppen

(Projektleiter unterstrichen)

### Physik des Erdnahen Weltraums

ACE / SEPICA  
Klecker, Zanker-Smith.

CLUSTER / CIS  
Klecker, Marghitu, Paschmann, Scholer.

CLUSTER / EDI  
Georgescu, Paschmann.

ROSETTA-Lander  
Haerendel, Thiel.

SAMPEX / HILT  
Klecker, Scholer.

SOHO / CELIAS  
Klecker, Scholer, Zanker-Smith.

STEREO / PLASTIC  
Klecker, Zanker-Smith.

### Infrarot- und Submillimeter-Astronomie

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, Katterloher, Kleiser, Kornberg, Krombach, Lutz, T. Müller, Osterhage, Poglitsch, Popesso, Schmid, Sturm, Thiel, Wetzstein, Wieprecht, Wiezorrek, Wildgruber.

KMOS  
Agudo Berbel, Bouché, Davies.

LBT Argos  
Haug, Kellner, Rabien, Ziegleder

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

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.

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

Galaxienkerne  
Contursi, Davies, Engel, Friedrich S., 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.

### Hochenergieastrophysik

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, Huber, Lechner, Pietsch, Strüder, Treis.

Skinakas Observatorium  
Bauer, Hasinger, Lieb.

Swift  
Ajello, 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.

CGRO (COMPTEL, EGRET)  
Collmar, Diehl, Kanbach, Orlando, Petry, Strong.

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

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

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

OPTIMA  
Duscha, Kanbach, Schrey, Steinle, Stefanescu.

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

Nukleare Astrophysik  
Diehl, v. Kienlin, Kretschmer, Lang, Strong.

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

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

### Theorie und Komplexe Plasmen

Plasmalab  
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, Lj, Morfill, Steffes.

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

Diamant-Labor  
Jakob, Morfill, Rothermel, Shimizu S., 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, Monetti, Müller, Pompl, Räth, Scheingraber.

Plasma Medizin  
Bunk, Morfill, Pompl, Shimizu, Steffes.

### Optische und Interpretative Astronomie

ASTRO-WISE  
Bender, Saglia, Wilman.

Galaxy Dynamics  
Bender, Gerhard, Saglia.

KMOS  
Bender, Saglia.

Large Scale Structure  
Bender, Phleps, Saglia, Wilman.

MUNICS  
Bender, Hopp, Drory.

OmegaCAM  
Bender, Hopp.

PanSTARRS  
Bender, Hopp, Phleps, Saglia, Wilman.

Stellare Populationen und Galaxienentstehung  
Bender, Hopp, Pierini.

# Lehrveranstaltungen / Seminare

## IMPRS Garching

Bender/Saglia

IMPRS introductory course (SS 08)

Genzel

IMPRS advanced course I (WS 07/08, WS 08/09)

Gerhard, White, Springel

IMPRS advanced Course II (SS 08)

## LMU

Becker

Gravitationswellen und deren Nachweis (SS 08)

Neutronensterne, Weiße Zwerge und Schwarze Löcher (WS 07/08, WS 08/09)

Seminar über aktuelle Themen der Astrophysik (WS 07/08, SS 08, WS 08/09)

Bender

Astronomisches Hauptseminar zur Astrophysik (SS 08, WS 08/09)

Astrophysikalisches Praktikum „A“ und Übungen (SS 08, WS 08/09)

Astrophysikalisches Praktikum „B“ und Übungen (SS 08, WS 08/09)

Astronomisches Kolloquium (SS 08, WS 08/09)

Extragalactic Journal Club (E) (SS 08, WS 08/09)

Extragalactic Group Seminar (E) (SS 08, WS 08/09)

Astrophysics Introductory Course for the IMPRS (SS 08)

Introduction into Astronomy and Astrophysics and Exercises (WS 08/09)

Gillessen

Tools in modern astrophysics (WS 07/08, SS 08, WS 08/09)

Phleps / Fassbender

Aktuelle Kosmologische Forschung mit grossen Himmelsdurchmusterungen (SS 08)

## TU München

Diehl

Observational High-Energy Astrophysics (SS 08)

Seminar on „Nuclei in the Cosmos“ (WS 07/08, SS 08, WS 08/09) mit Greiner, Hasinger, TUM/LMU/MPA Professoren

Eisenhauer

Einführung in die Astrophysik (WS 07/08, WS 08/09)

High Angular Resolution Astronomy: Telescopes, Adaptive Optics, Interferometry, and more (SS 2008)

Hasinger

Einführung in die Astrophysik (WS 07/08, WS 08/09)

## Johann Wolfgang Goethe-Universität Frankfurt /M.

Boller, Th.

Einführung in die Astronomie I (WS 07/08, WS 08/09)

Einführung in die Astronomie II (SS 08)

Astrophysikalisches Praktikum (SS 08)

Astrophysik III Master Course (WS 07/08, WS 08/09)

## Universität Giessen

Thoma

Komplexe Plasmen (SS 08)

Einführung in die Eichtheorie (WS 08/09)

## University of California, Berkeley, USA

Genzel

Black Holes in Astrophysics (08)

## University of Padova, Italien

Boller, Th.

AGN Physics and AGN distribution functions (SS 08)

## ETH Zürich, Schweiz

Davies

Adaptive Optics: Principles and Practice in Astronomy (WS 08)

## Argonne National Laboratory, Frankreich

Diehl

Abundance Constraints on Nuclei in the Cosmos (SS 08)

## Jacobs University Bremen

Haerendel

Space Physics III: Solar Physics (WS 08/09)

## Summer Schools

Saglia

Summer School „Black holes and galaxy evolution“, Bad Honnef, August 08

Supermassive black holes in local galaxies (SS 08)

Poglitsch

3rd Heidelberg Astronomy Summer School „The Art & Craft of Astronomical Instrumentation“, MPIA Heidelberg (SS 08)

## Lehrerfortbildung

Sturm

Lehrveranstaltung, ESOC Darmstadt, Das Weltraumobservatorium Herschel - Astronomie ganz nah, Fortbildung von Lehrerinnen und Lehrern für Physik und Astronomie in Kooperation von ESA und WiS (WS 08)

## Organisation von wissenschaftlichen Seminaren / Konferenzen

Turbulence and Hydrodynamical Instabilities, Garching, Germany, 17.-19.9.2008, Organisation: N. Adams, A. Burkert, N. Grün, H. Kerschbaum, F. Kupka, A. Müller, E. Müller, W.-C. Müller, F. Röpke, M.H. Thoma.

Gas and Stars in Galaxies - A Multi-Wavelength 3D Perspective, Garching, Germany, 10.-13.6.2008, Organisation: S. Aalto, P. Andreani, C. Carilli, F. Combes, C. De Breuck (co-chair), E. Emsellem, R. Kennicutt, M. Kissler-Patig, H. Kuntschner (co-chair), R. Laing, L. Staveley-Smith, L. Tacconi, L. Testi, J. van Gorkom, F. Walter, M. Zwaan (co-chair).

IAU Symposium 256: The Magellanic System, Stars, Gas, and Galaxies, Keele University, UK, 28.7.-1.8.2008, Organisation: J. van Loon, B. Barbuy, G. Da Costa, M. Feast, Y. Fukui, E. Grebel, D. Hatzidimitriou, M. Heydari-Malayeri, B. Moore, W. Pietsch, M. Rubio, S. Stanimirovic, N. Walborn, L. Wyrzykowski.

Future Ground-Based Solar System Research: Synergies with Space Probes And Space Telescope, Isola d'Elba, Livorno, Italy, 8.-12.9.2008, Organisation: U. Käufl, A. Barucci, H. Boehnhard, N. Biver, A. Coradini, E. Jehin, L.M. Lara, E. Lellouch, J. Licandro, K. Meech, T.G. Müller, R. Schulz, N. Thomas.

3rd Biennial Leopoldina Conference on Dark Energy, LMU München, 7.-11.10.2008, Organisation: R. Bender, S. Phleps, A. Bohnet, C. Ingram, R. Koehler, M. Lerchster, M. Rieperding, H.S. Schlagenhauer.

Galaxies in Real Life and Simulations, Lorentz Center, Leiden, The Netherlands, 15.-19.9.2008, Organisation: N.M. Förster Schreiber, M. Kriek, S. Charlot, A. Cimatti, J. Schaye, R. Somerville, P.G. van Dokkum.

Deconvolving Galaxy Evolution from High-z Surveys, Symposium 8 of JENAM 2008, Vienna, Austria, 7.-12.9.2008, Organisation: E. van Kampen, G. Hensler, C.J. Conselice, N.M. Förster Schreiber, F. Hammer, R. Ivison, J. Liske, H.-W. Rix, B. Ziegler.

Astronomy with Radioactivities VI., Ringberg Castle, Germany, 8.-11.1.2008, Organisation: R. Diehl, D.H. Hartmann, N. Prantzos.

Workshop of Universe Cluster on „Astrophysics with  $^{60}\text{Fe}$ “, Universe Cluster, Garching, Germany, 15.7. 2008, Organisation: R. Diehl, R. Krücken.

Plasmakristall-Symposium - 10 Years Russian&German Collaboration, Garching, Germany, 17.-18.11.2008, Organisation: G.E. Morfill, H.M. Thomas.

VLBI and high-resolution astronomy in the next decade, MPE, Garching, Germany, 29.6.2008, Organisation: A. Merloni.

The inner Kiloparsec: active galactic nuclei and their hosts“, Ierapetra, Crete, Greece, 4.-6.6.2008, Organisation: M. Georganopoulos, A. King, A. Lobanov, A. Merloni, D. Merritt, M. Volonteri, H. Netzer, S. Rawlings.

Astronomy in the next decade: synergies with the SKA, Bonn, Germany, 14.-18.4.2008, Organisation: R. Beck, B. Ciardi, L. Ferretti, H.-R. Kloeckner, M. Kramer, A. Lobanov, A. Merloni, R. Morganti, T. Osterloo, S. Torchinsky.

VLT-CRIRES observations of protoplanetary disks, Garching, Germany, 12.-15.5.2008, Organisation: E.F. van Dishoeck, K.M. Pontoppidan.

Water in star-forming regions with Herschel, Arcachon, France, 8.5.2008, Organisation: E.F. van Dishoeck.



# Publikationen

Hier präsentieren wir eine tabularische und graphische Zusammenfassung unserer Veröffentlichungen aus 2008. Die Veröffentlichungen werden nach wissenschaftlicher

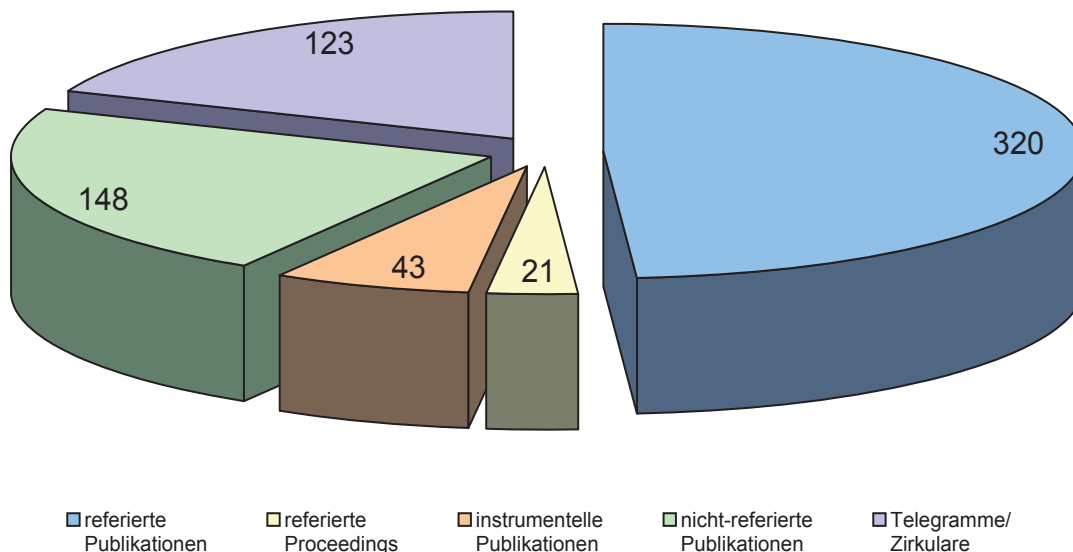
Arbeitsgruppe und Publikationstyp gezählt. Die Gesamtliste unserer Publikationen aus den verschiedenen Kategorien ist nachfolgend aufgeführt.

**Summe der MPE Publikationen in 2008**

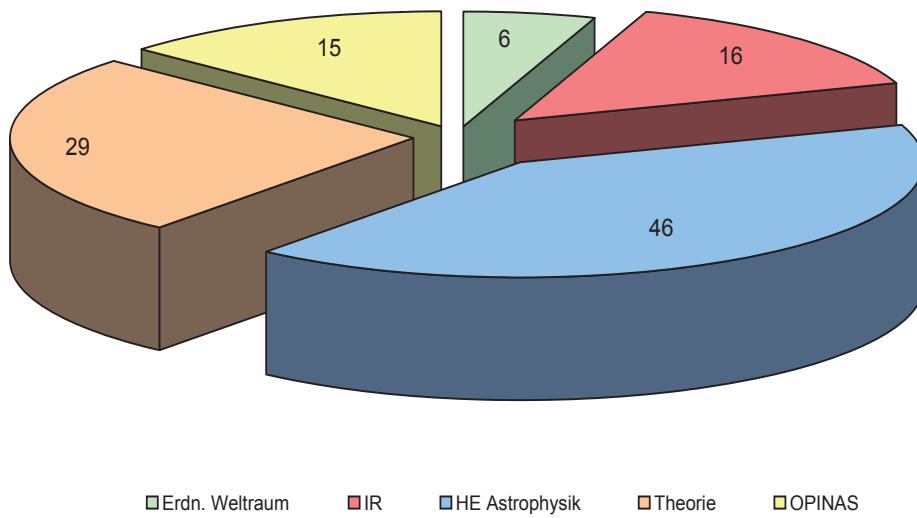
Wissenschaftl. Arbeitsgruppe	referierte Publikationen	referierte Proceedings	Instrument. Publikationen	nicht-referierte Publikationen	Telegramme/ Zirkulare	Vorträge	Poster
Erdn. Weltraum	6 (26)	1 (2)	0 (1)	2 (5)	0 (0)	18 (29)	4
IR	16 (83)	3 (5)	9 (18)	15 (27)	0 (1)	90 (115)	7
HE Astrophysik	46 (121)	7 (8)	8 (20)	49 (77)	90 (122)	110 (214)	20
Theorie	29 (49)	3 (3)	0 (0)	15 (22)	0 (0)	51 (84)	24
OPINAS	15 (41)	3 (3)	2 (4)	9 (17)	0 (0)	18 (27)	7
<b>Insgesamt</b>	<b>112 (320)</b>	<b>17 (21)</b>	<b>19 (43)</b>	<b>90 (148)</b>	<b>90 (123)</b>	<b>287 (469)</b>	<b>62</b>

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

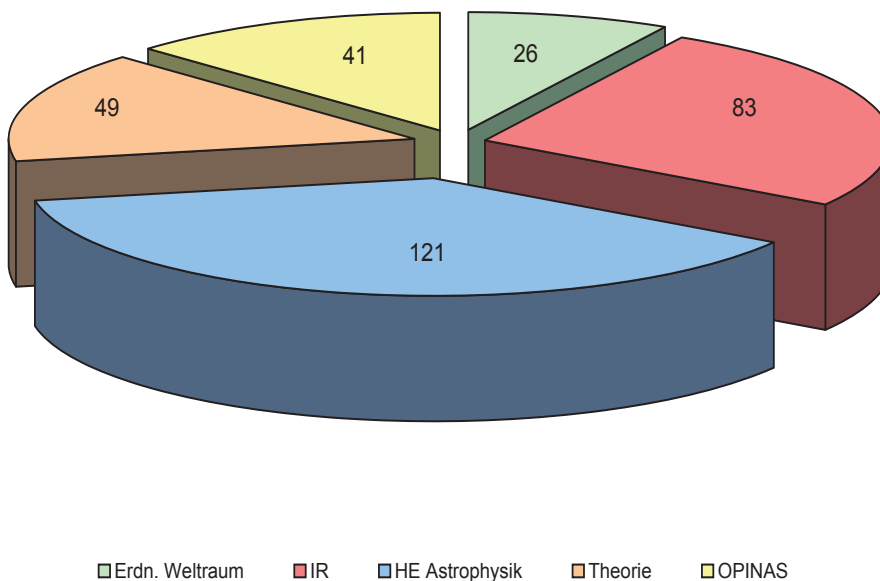
**MPE Publikationen insgesamt in 2008 (nach Typ)**



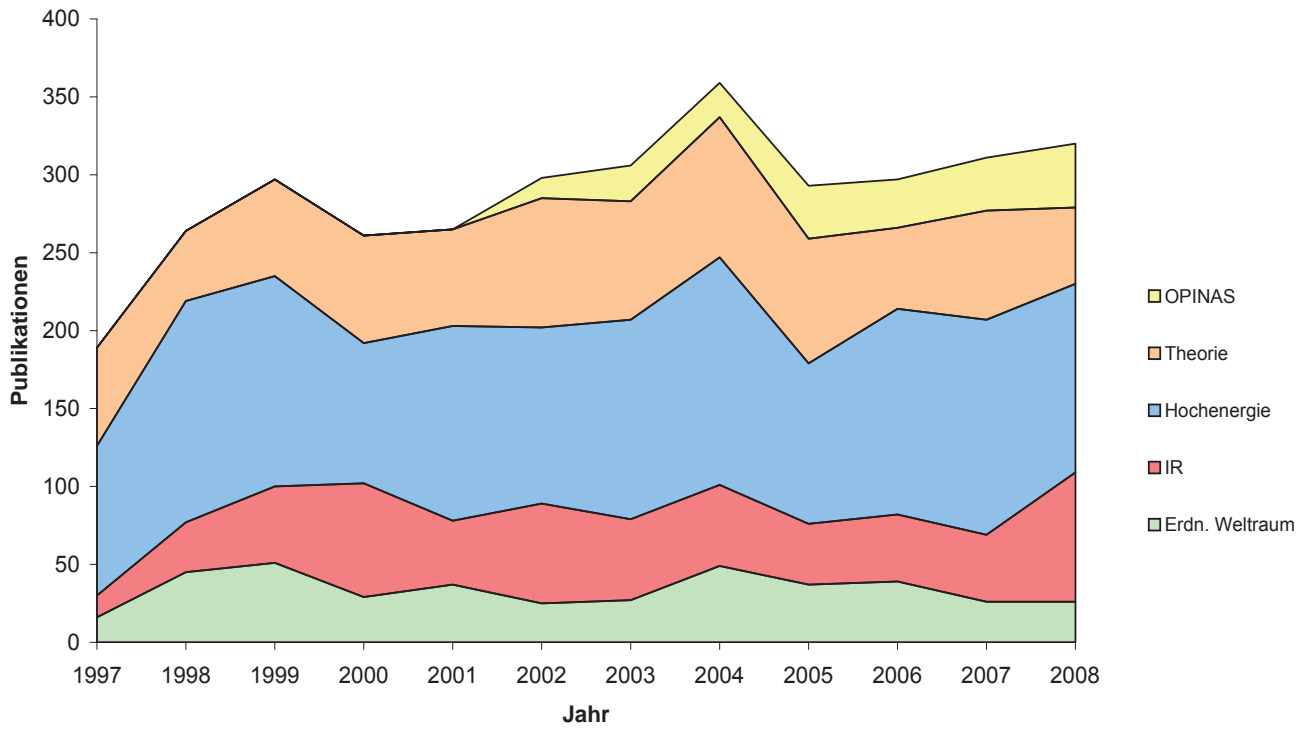
### Referierte Publikationen mit MPE Erstautor in 2008 (nach wissenschaftlicher Arbeitsgruppe)



### Gesamtzahl der referierten MPE Publikationen in 2008 (nach wissenschaftlicher Arbeitsgruppe)



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



## Referierte Publikationen

- Abdo, A.A., B. Allen, T. Aune, D. Berley, E. Blaufuss, S. Casanova, C. Chen, B.L. Dingus, R.W. Ellsworth, L. Fleyscher, R. Fleyscher, M.M. Gonzalez, J.A. Goodman, C.M. Hoffman, P.H. Hütemeyer, B.E. Kolterman, C.P. Lansdell, J.T. Linnemann, J.E. McEnery, A.I. Mincer, I.V. Moskalenko, P. Nemethy, D. Noyes, T.A. Porter, J. Pretz, J.M. Ryan, P.M.S. Parkinson, A. Shoup, G. Sinnis, A.J. Smith, A.W. Strong, G.W. Sullivan, V. Vasileiou, G.P. Walker, D.A. Williams and G.B. Yodh: A Measurement of the Spatial Distribution of Diffuse TeV Gamma-Ray Emission from the Galactic Plane with Milagro. *Ap. J.* 688, 1078-1083 (2008).
- Abdo, A.A., M. Ackermann, W.B. Atwood, ..., G. Kanbach, E. Orlando, et al: The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic Supernova Remnant CTA 1. *Science* 322, 1218 (2008).
- Acciari, V.A., E. Aliu, M. Beilicke, ... D. Petry, et al: VERITAS discovery of  $>200$  GeV gamma-ray emission from the intermediate-frequency-peaked BL Lacertae object W Comae. *Ap.J. Letters* 684, 2, L73-L77 (2008).
- Achterberg, A., M. Ackermann, J. Adams, ... and A. von Kienlin: The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA. *Ap. J.* 674, 357-370 (2008).
- Ádámkóvics, M., I. de Pater, M. Hartung, F. Eisenhauer, R. Genzel and C.A. Griffith: Correction to "Titan's bright spots: Multiband spectroscopic measurement of surface diversity and hazes". *J. Geophys. Res.* 113, 2 (2008).
- Adelman-McCarthy, J.K., M.A. Agüeros, S.S. Allam, ... W. Voges, et al: The Sixth Data Release of the Sloan Digital Sky Survey. *Ap. J. Supp. Ser.* 175, 297-313 (2008).
- Ajello, M., A. Rau, J. Greiner, G. Kanbach, M. Salvato, A.W. Strong, S.D. Barthelmy, N. Gehrels, C.B. Markwardt and J. Tueller: The Swift BAT X-Ray Survey. III. X-Ray Spectra and Statistical Properties. *Ap. J.* 673, 96-113 (2008).
- Ajello, M., J. Greiner, G. Kanbach, A. Rau, A.W. Strong and J.A. Kennea: BAT X-Ray Survey. I. Methodology and X-Ray Identification. *Ap. J.* 678, 102-115 (2008).
- Ajello, M., J. Greiner, G. Sato, D.R. Willis, G. Kanbach, A.W. Strong, R. Diehl, G. Hasinger, N. Gehrels, C.B. Markwardt and J. Tueller: Cosmic X-Ray Background and Earth Albedo Spectra with Swift BAT. *Ap. J.* 689, 666-677 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. *Ap. J.* 685, L23-L26 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: FADC signal reconstruction for the MAGIC telescope. *Nuclear Instruments and Methods in Physics Research Section A*, 594, 407-419 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Implementation of the Random Forest method for the Imaging Atmospheric Cherenkov Telescope MAGIC. *Nuclear Instruments and Methods in Physics Research Section A*, 588, 424-432 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: VHE Gamma-Ray Observations of the Crab Nebula and its Pulsar with the MAGIC Telescope. *Ap. J.* 674, 1037-1055 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Multiwavelength (Radio, X-Ray, and  $\gamma$ -Ray) Observations of the  $\gamma$ -Ray Binary LS I +61 303. *Ap. J.* 684, 1351-1358 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Upper Limit for  $\gamma$ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. *Ap. J.* 679, 428-431 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: MAGIC Observations of the Unidentified  $\gamma$ -Ray Source TeV J2032+4130. *Ap. J.* 675, L25-L28 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Systematic Search for VHE Gamma-Ray Emission from X-Ray-bright High-Frequency BL Lac Objects. *Ap. J.* 681, 944-953 (2008).
- Albert, J., E. Aliu, H. Anderhub, ..., H. Bartko, et al.: Very-High-Energy gamma rays from a Distant Quasar: How Transparent Is the Universe? *Science* 320, 1752 (2008).
- Albert, J., E. Aliu, H. Anderhub, H., ..., H. Bartko, et al.: Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. *Physics Letters B* 668, 253-257 (2008).
- Aliu, E., H. Anderhub, L. Antonelli, ..., H. Bartko, et al.: First Bounds on the High-Energy Emission from Isolated Wolf-Rayet Binary Systems. *Ap. J.* 685, L71-L74 (2008).
- Aliu, E., H. Anderhub, L. Antonelli, ..., H. Bartko, et al.: Observation of Pulsed  $\gamma$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. *Science* 322, 1221 (2008).
- Andersson, S., E.F. van Dishoeck: Photodesorption of water ice. A molecular dynamics study. *Astron. Astrophys.* 491, 907-916 (2008).
- Antonova, T., B.M. Annaratone, H.M. Thomas and G.E. Morfill: Energy relaxation and vibrations in small 3D plasma clusters. *New J. Phys.* 10, 043028, 1-13 (2008).
- Aravena, M., F. Bertoldi, E. Schinnerer, A. Weiss, K. Jahnke, C.L. Carilli, D. Frayer, C. Henkel, M. Brusa, K.M.



- Menten, M. Salvato and V. Smolcic: Properties of the molecular gas in a starbursting QSO at  $z = 1.83$  in the COSMOS field. *Astron. Astrophys.* 491, 173-181 (2008).
- Arnaboldi, M., M. Doherty, O. Gerhard, R. Ciardullo, J.A.L. Aguerri, J.J. Feldmeier, K.C. Freeman and G.H. Jacoby: Expansion Velocities and Core Masses of Bright Planetary Nebulae in the Virgo Cluster. *Ap. J. Lett.* 674, L17-L20 (2008).
- Arnaud, M., X. Barcons, D. Barret, M. Bautz, R. Bellazzini, J. Bleeker, H. Böhringer, T. Boller, W.N. Brandt, M. Cappi, F. Carrera, A. Comastri, E. Costa, T. Couvoisier, P. de Korte, T. Dwelly, A. Fabian, K. Flanagan, R. Gilli, R. Griffiths, G. Hasinger, J. Kaastra, S. Kahn, R. Kelley, H. Kunieda, K. Makishima, G. Matt, M. Mendez, K. Kitsuda, K. Nandra, T. Ohashi, M. Page, G. Palumbo, M. Pavlinsky, S. Sciortino, A. Smith, L. Strüder, T. Takahashi, M. Türler, M. Turner, Y. Ueda, C. Vignali, J. Vink, R. Warwick, M. Watson, R. Willingale and S.N. Zhang: XEUS: the physics of the hot evolving universe. *Exp. Astron.* 23, 139-168 (2008).
- Aschenbrenner, T., S. Figge, M. Schowalter, A. Rosenauer and D. Hommel: Photoluminescence and structural analysis of a-plane InGaN layers. *Journ. Crystal Growth* 310, 4992-4995 (2008).
- Aschwanden, M.J., L.F. Burlaga, M.L. Kaiser, C.K. Ng, D.V. Reames, M.J. Reiner, T.I. Gombosi, N. Lugaz, W. Manchester, I.I. Roussev, T.H. Zurbuchen, C.J. Farrugia, A.B. Galvin, M.A. Lee, J.A. Linker, Z. Mikic, P. Riley, D. Alexander, A.W. Sandman, J.W. Cook, R.A. Howard, D. Odstrcil, V.J. Pizzo, J. Kota, P.C. Liewer, J.G. Luhmann, B. Inhester, R.W. Schwenn, S.K. Solanki, V.M. Vasylunas, T. Wiegelman, L. Blush, P. Bochslers, I.H. Cairns, P.A. Robinson, V. Bothmer, K. Kecskemeti, A. Llebaria, M. Maksimovic, M. Scholer and R.F. Wimmer-Schweingruber: Theoretical modeling for the stereo mission. *Space Science Reviews* 136, 1-4, 565-604 (2008).
- Baltz, E.A., B. Berenji, G. Bertone, L. Bergström, E. Bloom, T. Bringmann, J. Chiang, J. Cohen-Tanugi, J. Conrad, Y. Edmonds, J. Edsjö, G. Godfrey, R.E. Hughes, R.P. Johnson, A. Lionetto, A.A. Moiseev, A. Morselli, I.V. Moskalenko, E. Nuss, J.F. Ormes, R. Rando, A.J. Sander, A. Sellerholm, P.D. Smith, A.W. Strong, L. Wai, P. Wang and B.L. Winer: Pre-launch estimates for GLAST sensitivity to dark matter annihilation signals. *J. Cosmology Astroparticle Phys.* 7, 13 (2008).
- Barnard, R., H. Stiele, D. Hatzidimitriou, A.K.H. Kong, B.F. Williams, W. Pietsch, U.C. Kolb, F. Haberl and G. Sala: New XMM-Newton Analysis of Three Bright X-Ray Sources in M31 Globular Clusters, Including a New Black Hole Candidate. *Ap. J.* 689, 1215-1221 (2008).
- Bartko, H. and W. Bednarek: Gamma-ray emission from PWNe interacting with molecular clouds. *Mon. Not. R. Astron. Soc.* 385, 1105-1109 (2008).
- Bartko, H.: Observations of VHE  $\gamma$ -Ray Sources with the MAGIC Telescope. *Chinese Journal of Astron. Astrophys. Suppl.* 8, 109-118 (2008).
- Bauer, M., W. Pietsch, G. Trinchieri, D. Breitschwerdt, M. Ehle, M.J. Freyberg and A.M. Read: XMM-Newton observations of the diffuse X-ray emission in the starburst galaxy NGC 253. *Astron. Astrophys.* 489, 1029-1046 (2008).
- Beccari, G., B. Lanzoni, F.R. Ferraro, L. Pulone, M. Bellazzini, F. Fusi Pecci, R.T. Rood, E. Giallongo, R. Ragazzoni, A. Grazian, A. Baruffolo, N. Bouché, P. Buschkamp, C. De Santis, E. Diolaiti, A. Di Paola, J. Farinato, A. Fontana, S. Gallozzi, F. Gasparo, G. Gentile, F. Pasian, F. Pedichini, R. Smareglia, R. Speziali, V. Testa and E. Vernet: The Blue Straggler Population in the Globular Cluster M53 (NGC 5024): A Combined HST, LBT, and CFHT Study. *Ap. J.* 679, 712-719 (2008).
- Beirão, P., B.R. Brandl, P.N. Appleton, B. Groves, L. Armus, N.M. Förster Schreiber, J.D. Smith, V. Charmandaris and J.R. Houck: Spatially Resolved Spitzer IRS Spectroscopy of the Central Region of M82. *Ap. J.* 676, 304-316 (2008).
- Berezhnoy, A.A. and B.A. Klumov: Impacts as sources of the exosphere on Mercury. *Icarus* 195, 511-522 (2008).
- Berta, S., S. Rubele, A. Franceschini, E.V. Held, L. Rizzi, G. Rodighiero, A. Cimatti, J. E. Dias, C. Feruglio, F. La Franca, C.J. Lonsdale, R. Maiolino, I. Matute, M. Rowan-Robinson, N. Sacchi and G. Zamorani: The ESO-Spitzer Imaging extragalactic Survey (ESIS) - II. VIMOS I, z wide field imaging of ELAIS-S1 and selection of distant massive galaxies. *Astron. Astrophys.* 488, 2, 533-548 (2008).
- Beuermann, K., V. Burwitz and T. Rauch: Establishing HZ43 A, Sirius B, and RX J185635-3754 as soft X-ray standards: a cross-calibration between the Chandra LETG+HRC-S, the EUVE spectrometer, and the ROSAT PSPC. *Astron. Astrophys.* 481, 769-769 (2008).
- Bisschop, S.E., J.K. Jörgensen, T.L. Bourke, S. Bottinelli and E. van Dishoeck: An interferometric study of the low-mass protostar IRAS 16293-2422: small scale organic chemistry. *Astron. Astrophys.* 488, 3, 959-968 (2008).
- Böhringer, H.: Statistical properties of galaxy clusters. *Astron. Nachr.* 329, 135-138 (2008).
- Boller, Th.: 6 years of dedicated service with XMM-Newton and Chandra: What have we really learned about the inner regions of AGN. *Chinese Journal of Astronomy and Astrophysics* 8, 119-123 (2008).

- Boogert, A.C.A., K.M. Pontoppidan, C. Knez, F. Lahuis, J. Kessler-Silacci, E.F. van Dishoeck, G.A. Blake, J.-C. Augereau, S.E. Bisschop, S. Bottinelli, T.Y. Brooke, J. Brown, A. Crapsi, N.J. Evans, H.J. Fraser, V. Geers, T.L. Huard, J.K. Jørgensen, K.I. "Oberg, L.E. Allen, P.M. Harvey, D.W. Koerner, L.W. Mundy, D.L. Padgett, A.I. Sargent, K.R. Stapelfeldt: The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. I. H<sub>2</sub>O and the 5-8  $\mu$ m Bands. *Ap. J.* 678, 985-1004 (2008).
- Bouché, N.: Towards understanding the mass-metallicity relation of quasar absorbers: evidence for bimodality and consequences. *Mon. Not. R. Astron. Soc.* 389, L18-L22 (2008).
- Bouchet, L., E. Jourdain, J.-P. Roques, A. Strong, R. Diehl, F. Lebrun and R. Terrier: INTEGRAL SPI All-Sky View in Soft Gamma Rays: A Study of Point-Source and Galactic Diffuse Emission. *Ap. J.* 679, 1315-1326 (2008).
- Brunner, H., N. Cappelluti, G. Hasinger, X. Barcons, A.C. Fabian, V. Mainieri and G. Szokoly: XMM-Newton observations of the Lockman Hole: X-ray source catalogue and number counts. *Astron. Astrophys.* 479, 283-300 (2008).
- Burkert, A., T. Naab, P.H. Johansson and R. Jesseit: SAURON's Challenge for the Major Merger Scenario of Elliptical Galaxy Formation. *Ap. J.* 685, 897-903 (2008).
- Burwitz, V., K. Reinsch, J. Greiner, E. Meyer-Hofmeister, F. Meyer, F.M. Walter and R.E. Mennickent: Variability in the cycle length of the supersoft source RX J0513.9-6951. *Astron. Astrophys.* 481, 193-198 (2008).
- Caccianiga, A., P. Severgnini, R. Della Ceca, T. Maccacaro, F. Cocchia, X. Barcons, F.J. Carrera, I. Matute, R.G. McMahon, M.J. Page, W. Pietsch, B. Sbarufatti, A. Schwobe, J.A. Tedds and M.G. Watson: The XMM-Newton bright serendipitous survey. Identification and optical spectral properties. *Astron. Astrophys.* 477, 735-746 (2008).
- Caputi, K.I., S.J. Lilly, H. Aussel, D. Sanders, D. Frayer, O. Le Fèvre, A. Renzini, G. Zamorani, M. Scodreggio, T. Contini, N. Scoville, C.M. Carollo, G. Hasinger, A. Iovino, V. Le Brun, E. Le Floc'h, C. Maier, V. Mainieri, M. Mignoli, M. Salvato, D. Schiminovich, J. Silverman, J. Surace, L. Tasca, U. Abbas, S. Bardelli, M. Bolzonella, A. Bongiorno, D. Bottini, P. Capak, A. Cappi, P. Cassata, A. Cimatti, O. Cucciati, S. de la Torre, L. de Ravel, P. Franzetti, M. Fumana, B. Garilli, C. Halliday, O. Ilbert, P. Kampczyk, J. Kartaltepe, J.-P. Kneib, C. Knobel, K. Kovac, F. Lamareille, A. Leauthaud, J.F. Le Borgne, D. Maccagni, C. Marinoni, H. McCracken, B. Meneux, P. Oesch, R. Pelló, E. Pérez-Montero, C. Porciani, E. Ricciardelli, R. Scaramella, C. Scarlata, L. Tresse, D. Vergani, J. Walcher, M. Zamojski and E. Zucca: The Optical Spectra of 24  $\mu$ m Galaxies in the COSMOS Field. I. Spitzer MIPS Bright Sources in the zCOSMOS-Bright 10k Catalog. *Ap. J.* 680, 939-961 (2008).
- Carter, D., P. Goudfrooij, B. Mobasher, H.C. Ferguson, T.H. Puzia, A.L. Aguerri, M. Balcells, D. Batcheldor, T.J. Bridges, J.I. Davies, P. Erwin, A.W. Graham, R. Guzmán, D. Hammer, A. Hornschemeier, C. Hoyos, M.J. Hudson, A. Huxor, S. Jogee, Y. Komiyama, J. Lotz, J.R. Lucey, R.O. Marzke, D. Merritt, B.W. Miller, N.A. Miller, M. Mouhcine, S. Okamura, R.F. Peletier, S. Phillipps, B.M. Poggianti, R.M. Sharples, R.J. Smith, N. Trentham, R.B. Tully, E. Valentijn and G. Verdoes Kleijn: The Hubble Space Telescope advanced camera for surveys coma cluster survey - I. Survey objectives and design. *Ap.J. Supp. Series* 176, 2, 424-437 (2008).
- Casey, C.M., C.D. Impey, J.R. Trump, J. Gabor, R.G. Abraham, P. Capak, N.Z. Scoville, M. Brusa and E. Schinnerer: Optical Selection of Faint Active Galactic Nuclei in the COSMOS Field. *Ap. J. Supp. Ser.* 177, 131-147 (2008).
- Cassata, P., A. Cimatti, J. Kurk, G. Rodighiero, L. Pozzetti, M. Bolzonella, E. Daddi, M. Mignoli, S. Berta, M. Dickinson, A. Franceschini, C. Halliday, A. Renzini, P. Rosati and G. Zamorani: GMASS ultradeep spectroscopy of galaxies at  $z \sim 2$  - III. The emergence of the color bimodality at  $z \sim 2$ . *Astron. Astrophys.* 483, 3, L39-L42 (2008).
- Chapman, S.C., R. Neri, F. Bertoldi, I. Smail, T.R. Greve, D. Trethewey, A.W. Blain, P. Cox, R. Genzel, R.J. Ivison, A. Kovacs, A. Omont and A.M. Swinbank: Interferometric CO Observations of Submillimeter-faint, Radio-selected Starburst Galaxies at  $z \sim 2$ . *Ap. J.* 689, 889-896 (2008).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Ion drag force on a small grain in highly collisional weakly anisotropic plasma: Effect of plasma production and loss mechanisms. *Phys. Plasmas* 15, 053703 (2008).
- Chen, L.-J., A. Bhattacharjee, P.A. Puhl-Quinn, H. Yang, N. Bessho, S. Imada, S. Muehlbacher, P.W. Daly, B. Lefebvre, Y. Khotyaintsev, A. Vaivads, A. Fazakerley and E. Georgescu: Observation of energetic electrons within magnetic islands. *Nature Physics* 4, 1, 19-23 (2008).
- Chen, Y.-P., S. Zhang, N. Schurch, J.-M. Wang, W. Collmar, T.-P. Li, J.-L. Qu and C.-M. Zhang: INTEGRAL and RXTE/ASM Observations on IGR J17098-3628. *Publ. Astron. Soc. Jpn.* 60, 1173 (2008).
- Churazov, E., W. Forman, A. Vikhlinin, S. Tremaine, O. Gerhard and C. Jones: Measuring the non-thermal pressure in early-type galaxy atmospheres: a comparison of X-ray and optical potential profiles in M87 and NGC 1399. *Mon. Not. R. Astron. Soc.* 388, 1062-1078 (2008).

- Cimatti, A., P. Cassata, L. Pozzetti, J. Kurk, M. Mignoli, A. Renzini, E. Daddi, M. Bolzonella, M. Brusa, G. Rodighiero, M. Dickinson, A. Franceschini, G. Zamorani, S. Berta, P. Rosati and C. Halliday: GMASS ultradeep spectroscopy of galaxies at  $z \sim 2$ . II. Superdense passive galaxies: how did they form and evolve?. *Astron. Astrophys.* 482, 21-42 (2008).
- Coccatto, L., R.A. Swaters, V.C. Rubin, S. D'Odorico and S.S. McGaugh: VIMOS-VLT integral field kinematics of the giant low surface brightness galaxy ESO 323-G064. *Astron. Astrophys.* 490, 589-600 (2008).
- Comastri, A. and M. Brusa: Extragalactic X-ray surveys: AGN physics and evolution. *Astron. Nachr.* 329, 122 (2008).
- Conroy, C., A.E. Shapley, J.L. Tinker, M.R. Santos and G. Lemson: The Varied Fates of  $z \sim 2$  Star-forming Galaxies. *Ap. J.* 679, 1192-1203 (2008).
- Corsini, E.M., G. Wegner, R.P. Saglia, J. Thomas, R. Bender and D. Thomas: Spatially Resolved Spectroscopy of Coma Cluster Early-Type Galaxies. IV. Completing the Data Set. *Ap. J. Supp. Ser.* 175, 462-484 (2008).
- Covino, S., P. D'Avanzo, A. Klotz, D.A. Perley, L. Amati, S. Campana, G. Chincarini, A. Cucchiara, V. D'Elia, D. Guetta, C. Guidorzi, D.A. Kann, A. Küpcü Yoldas, K. Misra, G. Olofsson, G. Tagliaferri, L.A. Antonelli, E. Berger, J.S. Bloom, M. Böer, C. Clemens, F. D'Alessio, M. Della Valle, S. di Serego Alighieri, A.V. Filippenko, R.J. Foley, D.B. Fox, D. Fugazza, J. Fynbo, B. Gendre, P. Goldoni, J. Greiner, D. Kocevski, E. Maiorano, N. Masetti, E. Meurs, M. Modjaz, E. Molinari, A. Moretti, E. Palazzi, S.B. Pandey, S. Piranomonte, D. Poznanski, N. Primak, P. Romano, E. Rossi, R. Roy, J.M. Silverman, L. Stella, G. Stratta, V. Testa, S.D. Vergani, F. Vitali and F. Zerbi: The complex light curve of the afterglow of GRB071010A. *Mon. Not. R. Astron. Soc.* 388, 347-356 (2008).
- Crapsi, A., E.F. van Dishoeck, M.R. Hogerheijde, K.M. Pontoppidan, C.P. Dullemond: Characterizing the nature of embedded young stellar objects through silicate, ice and millimeter observations. *Astron. Astrophys.* 486, 245-254 (2008).
- Croston, J.H., G.W. Pratt, H. Böhringer, M. Arnaud, E. Pointecouteau, T.J. Ponman, A.J.R. Sanderson, R.F. Temple, R.G. Bower and M. Donahue: Galaxy-cluster gas-density distributions of the representative XMM-Newton cluster structure survey (REXCESS). *Astron. Astrophys.* 487, 431-443 (2008).
- Cuadra, J., S. Nayakshin and F. Martins: Variable accretion and emission from the stellar winds in the galactic centre. *Mon. Not. R. Astron. Soc.* 383, 2, 458-466 (2008).
- Dai, X., P.M. Garnavich, J.L. Prieto, K.Z. Stanek, C.S. Kochanek, J. Bechtold, N. Bouché, P. Buschkamp, E. Diolaiti, X. Fan, E. Giallongo, R. Gredel, J.M. Hill, L. Jiang, C. McClelland, P. Milne, F. Pedichini, R.W. Pogge, R. Ragazzoni, J. Rhoads, R. Smareglia, D. Thompson and R.M. Wagner: Go Long, Go Deep: Finding Optical Jet Breaks for Swift-Era GRBs with the LBT. *Ap. J. Lett.* 682, L77-L80 (2008).
- Dartsch, H., S. Figge, T. Aschenbrenner, A. Pretorius, A. Rosenauer and D. Hommel: Strain compensated AlGaIn/GaN-Bragg-reflectors with high Al content grown by MOVPE. *Journ. Crystal Growth* 310, 4923-4926 (2008).
- Dasyra, K.M., L.C. Ho, L. Armus, P. Ogle, G. Helou, B.M. Peterson, D. Lutz, H. Netzer and E. Sturm: High-Ionization Mid-Infrared Lines as Black Hole Mass and Bolometric Luminosity Indicators in Active Galactic Nuclei. *Ap. J. Lett.* 674, L9-L12 (2008).
- De Lorenzi, F., O. Gerhard, R.P. Saglia, N. Sambhus, V.P. Debattista, M. Pannella and R.H. Méndez: Dark matter content and internal dynamics of NGC 4697: NMAGIC particle models from slit data and planetary nebula velocities. *Mon. Not. R. Astron. Soc.* 385, 1729-1748 (2008).
- Della Ceca, R., A. Caccianiga, P. Severgnini, T. Maccacaro, H. Brunner, F.J. Carrera, F. Cocchia, S. Mateos, M.J. Page and J.A. Tedds: The cosmological properties of AGN in the XMM-Newton Hard Bright Survey. *Astron. Astrophys.* 487, 119-130 (2008).
- de Martino, D., G. Matt, K. Mukai, J.-M. Bonnet-Bidaud, M. Falanga, B.T. Gänsicke, F. Haberl, T.R. Marsh, M. Mouchet, S.P. Littlefair and V. Dhillon: 1RXS J173021.5-055933: a cataclysmic variable with a fast-spinning magnetic white dwarf. *Astron. Astrophys.* 481, 149-159 (2008).
- Dennerl, K.: X-rays from Venus observed with Chandra. *Planet. Space Sci.* 56, 1414-1423 (2008).
- Di Fabio, R., Z. Guo, E. Möbius, B. Klecker, H. Kucharek, G.M. Mason and M. Popecki: Energy-dependent Charge States and Their Connection with Ion Abundances in Impulsive Solar Energetic Particle Events. *Ap. J.* 687, 623-634 (2008).
- Diehl, R. and D.H. Hartmann: Die radioaktive Galaxis. *Astrophysik im Gammabereich. Physik in unserer Zeit* 39, 4, 183-189 (2008).
- Diehl, R.: Observing cosmic nuclei in gamma rays. *J. Phys. (G)* 35, 1, Seq. No.:014023 (2008).
- Domínguez-Palermo, L., M. Balcells, P. Erwin, M. Prieto, D. Cristóbal-Hornillos, M.C. Eliche-Moral and R. Guzmán: Bulges of disk galaxies at intermediate redshifts - I. Samples with and without bulges in the Groth Strip survey. *Astron. Astrophys.* 488, 3, 1167-1219 (2008).



- Dong, X., T. Wang, J. Wang, W. Yuan, H. Zhou, H. Dai and K. Zhang: Broad-line Balmer decrements in blue active galactic nuclei. *Mon. Not. R. Astron. Soc.* 383, 2, 581-592 (2008).
- Drory, N. and M. Alvarez: The contribution of star formation and merging to stellar mass buildup in galaxies. *Ap.J.* 680, 1, 41-53 (2008).
- D'Yachkov, L.G., A.G. Khrapak and S.A. Khrapak: Effect of electron emission on the charge and shielding of a dust grain in a plasma: A continuum theory. *Sov. Journ. Exp. and Theo. Phys.* 106, 166-171 (2008).
- Ebisawa, K., S. Yamauchi, Y. Tanaka, K. Koyama, Y. Ezoe, A. Bamba, M. Kokubun, Y. Hyodo, M. Tsujimoto and H. Takahashi: Spectral study of the galactic ridge X-ray emission with Suzaku. In: *Publications of the Astronomical Society of Japan* 60, SPI, S223-S229 (2008).
- Eger, P. and F. Haberl: XMM-Newton observations of the Small Magellanic Cloud: Long term evolution of frequently observed Be/X-ray binaries. *Astron. Astrophys.* 491, 841-849 (2008).
- Eger, P. and F. Haberl: XMM-Newton observations of the Small Magellanic Cloud: RX J0105.9-7203, a 726 s Be/X-ray binary pulsar. *Astron. Astrophys.* 485, 807-811 (2008).
- Elebert, P., P.J. Callanan, A.V. Filippenko, P.M. Garnavich, G. Mackie, J.M. Hill and V. Burwitz: Optical photometry and spectroscopy of the accretion-powered millisecond pulsar HETE J1900.1 - 2455. *Mon. Not. R. Astron. Soc.* 383, 1581-1587 (2008).
- Elsner, F., C.O. Heinke, H.N. Cohn, P.M. Lugger, J.E. Maxwell, I.H. Stairs, S.M. Ransom, J.W.T. Hessels, W. Becker, R.H.H. Huang, P.D. Edmonds, J.E. Grindlay, S. Bogdanov, K. Ghosh and M.C. Weisskopf: Chandra X-Ray Observatory Observations of the Globular Cluster M71. *Ap. J.* 687, 1019-1034 (2008).
- Elsner, F., G. Feulner and U. Hopp: The impact of Spitzer infrared data on stellar mass estimates - and a revised galaxy stellar mass function at  $0 < z < 5$ . *Astron. Astrophys.* 477, 503-512 (2008).
- Erwin, P., M. Pohlen and J.E. Beckman: The outer disks of early-type galaxies - I. Surface-brightness profiles of barred galaxies. *Astron. J.* 135, 1, 20-54 (2008).
- Esquej, P., R.D. Saxton, S. Komossa, A.M. Read, M.J. Freyberg, G. Hasinger, D.A. García-Hernández, H. Lu, J.R. Zaurín, M. Sánchez-Portal and H. Zhou: Evolution of tidal disruption candidates discovered by XMM-Newton. *Astron. Astrophys.* 489, 543-554 (2008).
- Evans, A.S., T. Vavilkin, J. Pizagno, F. Modica, J.M. Mazzeola, K. Iwasawa, J.H. Howell, J.A. Surace, L. Armus, A.O. Petric, H.W.W. Spoon, J.E. Barnes, T.A. Suer, D.B. Sanders, B. Chan and S. Lord: Off-nuclear star formation and obscured activity in the luminous infrared galaxy NGC 2623. *Ap.J.* 675, 2, L69-L72 (2008).
- Fassbender, R., H. Böhringer, G. Lamer, C.R. Mullis, P. Rosati, A. Schwobe, J. Kohnert and J.S. Santos: Indications for 3 Mpc-scale large-scale structure associated with an X-ray luminous cluster of galaxies at  $z = 0.95$ . *Astron. Astrophys.* 481, L73-L77 (2008).
- Faure, C., J.-P. Kneib, G. Covone, L. Tasca, A. Leauthau, P. Capak, K.J.V. Smolcic, S. de la Torre, R. Ellis, A. Finoguenov, A. Koekemoer, O. Le Fevre, R. Massey, Y. Mellier, A. Refregier, J. Rhodes, N. Scoville, E. Schinnerer, J. Taylor, L. Van Waerbeke and J. Walcher: Erratum: "First Catalog of Strong Lens Candidates in the COSMOS Field". *Ap. J. Supp. Ser.* 178, 382-383 (2008).
- Faure, C., J.-P. Kneib, G. Covone, L. Tasca, A. Leauthaud, P. Capak, K. Jahnke, V. Smolčić, S. de la Torre, R. Ellis, A. Finoguenov, A. Koekemoer, O. Le Fevre, R. Massey, Y. Mellier, A. Refregier, J. Rhodes, N. Scoville, E. Schinnerer, J. Taylor, L. Van Waerbeke and J. Walcher: First Catalog of Strong Lens Candidates in the COSMOS Field. *Ap. J. Supp. Ser.* 176, 19-38 (2008).
- Feruglio, C., F. Fiore, F. La Franca, N. Sacchi, S. Puccetti, A. Comastri, S. Berta, M. Brusa, A. Franceschini, C. Gruppioni, S. Mathur, I. Matute, M. Mignoli, F. Pozzi, C. Vignali and G. Zamorani: The XMM-Newton survey of the ELAIS-S1 field. II. Optical identifications and multiwavelength catalogue of X-ray sources. *Astron. Astrophys.* 488, 417-428 (2008).
- Feulner, G., U. Hopp and C.S. Botzler: Integrated specific star formation rates of galaxies, groups, and clusters: a continuous upper limit with stellar mass?. *Astron. Astrophys.* 489, L15-L15 (2008).
- Filipović, M.D., F. Haberl, P.F. Winkler, W. Pietsch, J.L. Payne, E.J. Crawford, A.Y. de Horta, F.H. Stootman and B.E. Reaser: New XMM-Newton observations of supernova remnants in the Small Magellanic Cloud. *Astron. Astrophys.* 485, 63-70 (2008).
- Finoguenov, A., M. Ruszkowski, C. Jones, M. Brüggen, A. Vikhlinin and E. Mandel: In-Depth Chandra Study of the AGN Feedback in Virgo Elliptical Galaxy M84. *Ap. J.* 686, 911-917 (2008).
- Fiore, F., A. Grazian, P. Santini, S. Puccetti, M. Brusa, C. Feruglio, A. Fontana, E. Giallongo, A. Comastri, C. Gruppioni, F. Pozzi, G. Zamorani and C. Vignali: Unveiling Obscured Accretion in the Chandra Deep Field-South. *Ap. J.* 672, 94-101 (2008).



- Fisher, D.B. and N. Drory: The structure of classical bulges and pseudobulges: the link between pseudobulges and Sérsic index. *Astron. J.* 136, 2, 773-839 (2008).
- Fitzgerald, M.T., S.M. Feteris, S. Gillessen and F. Eisenhauer: Distance to the Center of the Milky Way Galaxy: An Experiment for Intermediate-Level Students Using Research Data and Professional Analysis Tools. *Astron. Educat. Rev.* 7, 92-102 (2008).
- Foley, S., S. McGlynn, L. Hanlon, S. McBreen and B. McBreen: Global characteristics of GRBs observed with INTEGRAL and the inferred large population of low-luminosity GRBs. *Astron. Astrophys.* 484, 143-157 (2008).
- Förster, M., S. Rentz, W. Koehler, H. Liu and S.E. Haaland: IMF dependence of high-latitude thermospheric wind pattern derived from CHAMP cross-track measurements. *Ann. Geophysicae* 26, 6, 1581-1595 (2008).
- Förster, M., S.E. Haaland, G. Paschmann, J.M. Quinn, R.B. Torbert, H. Vaith and C.A. Kletzing: High-latitude plasma convection during Northward IMF as derived from in-situ magnetospheric Cluster EDI measurements. *Ann. Geophysicae* 26, 2685-2700 (2008).
- Fossati, G., J.H. Buckley, I.H. Bond, S.M. Bradbury, D.A. Carter-Lewis, Y.C.K. Chow, W. Cui, A.D. Falcone, J.P. Finley, J.A. Gaidos, J. Grube, J. Holder, D. Horan, D. Horns, M.M. Jordan, D.B. Kieda, J. Kildea, H. Krawczynski, F. Krennrich, M.J. Lang, S. Le Bohec, K. Lee, P. Moriarty, R.A. Ong, D. Petry, J. Quinn, G.H. Sembroski, S.P. Wakely and T.C. Weekes: Multiwavelength observations of Markarian 421 in 2001 March: an unprecedented view on the X-ray/TeV correlated variability. *Ap.J.* 677, 2, 906-925 (2008).
- Franx, M., P.G. van Dokkum, N.M. Förster Schreiber, S. Wuyts, I. Labbé; and S. Toft: Structure and star formation in galaxies out to  $z = 3$ : evidence for surface density dependent evolution and upsizing. *Ap. J.* 688, 770-788 (2008).
- Frieman, J.A., B. Bassett, A. Becker, C. Choi, D. Cinabro, F. De Jongh, D.L. Depoy, B. Dilday, M. Doi, P.M. Garnavich, C.J. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, K. Konishi, H. Lampeitl, J. Marriner, J.L. Marshall, D. McGinnis, G. Miknaitis, R.C. Nichol, J.L. Prieto, A.G. Riess, M.W. Richmond, R. Romani, M. Sako, D.P. Schneider, M. Smith, N. Takanashi, K. Tokita, K. van der Heyden, N. Yasuda, C. Zheng, J. Adelman-McCarthy, J. Annis, R.J. Assef, J. Barentine, R. Bender, R.D. Blandford, W.N. Boroski, M. Bremer, H. Brewington, C.A. Collins, A. Crotts, J. Dembicky, J. Eastman, A. Edge, E. Edmondson, E. Elson, M.E. Eyler, A.V. Filippenko, R.J. Foley, S. Frank, A. Goobar, T. Gueth, J.E. Gunn, M. Harvanek, U. Hopp, Y. Ihara, Z. Ivezić, S. Kahn, J. Kaplan, S. Kent, W. Ketzeback, S.J. Kleinman, W. Kollatschny, R.G. Kron, J. Krzesinski, D. Lamenti, G. Leloudas, H. Lin, D.C. Long, J. Lucey, R.H. Lupton, E. Malanushenko, V. Malanushenko, R.J. McMillan, J. Mendez, C.W. Morgan, T. Morokuma, A. Nitta, L. Ostman, K. Pan, C.M. Rockosi, A.K. Romer, P. Ruiz-Lapuente, G. Saurage, K. Schlesinger, S.A. Snedden, J. Sollerman, C. Stoughton, M. Stritzinger, M. Subba Rao, D. Tucker, P. Vaisanen, L.C. Watson, S. Watters, J.C. Wheeler, B. Yanny and D. York: The Sloan Digital Sky Survey - II Supernova Survey: Technical Summary. *Astron. J.* 135, 338-347 (2008).
- Gabasch, A., Y. Goranova, U. Hopp, S. Noll and M. Pannella: A deep i-selected multiwaveband galaxy catalogue in the COSMOS field. *Mon. Not. R. Astron. Soc.* 383, 1319-1335 (2008).
- Garilli, B., O. Le Fèvre, L. Guzzo, D. Maccagni, V. Le Brun, S. de la Torre, B. Meneux, L. Tresse, P. Franzetti, G. Zamorani, A. Zanichelli, L. Gregorini, D. Vergani, D. Bottini, R. Scaramella, M. Scodreggio, G. Vettolani, C. Adami, S. Arnouts, S. Bardelli, M. Bolzonella, A. Cappi, S. Charlot, P. Ciliegi, T. Contini, S. Foucaud, I. Gavignaud, O. Ilbert, A. Iovino, F. Lamareille, H. J. McCracken, B. Marano, C. Marinoni, A. Mazure, R. Merighi, S. Paltani, R. Pellò, A. Pollo, L. Pozzetti, M. Radovich, E. Zucca, J. Blaizot, A. Bongiorno, O. Cucciati, Y. Mellier, C. Moreau, and L. Paioro: The Vimos VLT deep survey. Global properties of 20,000 galaxies in the IAB<22.5 WIDE survey. *Astron. Astrophys.* 486, 683-695 (2008).
- Gavignaud, I., L. Wisotzki, A. Bongiorno, S. Paltani, G. Zamorani, P. Møller, V. Le Brun, B. Husemann, F. Lamareille, M. Schramm, O. Le Fèvre, D. Bottini, B. Garilli, D. Maccagni, R. Scaramella, M. Scodreggio, L. Tresse, G. Vettolani, A. Zanichelli, C. Adami, M. Arnaboldi, S. Arnouts, S. Bardelli, M. Bolzonella, A. Cappi, S. Charlot, P. Ciliegi, T. Contini, S. Foucaud, P. Franzetti, L. Guzzo, O. Ilbert, A. Iovino, H.J. McCracken, B. Marano, C. Marinoni, A. Mazure, B. Meneux, R. Merighi, R. Pellò, A. Pollo, L. Pozzetti, M. Radovich, E. Zucca, M. Bondi, G. Busarello, O. Cucciati, S. de La Torre, L. Gregorini, Y. Mellier, P. Merluzzi, V. Ripepi, D. Rizzo and D. Vergani: Eddington ratios of faint AGN at intermediate redshift: evidence for a population of half-starved black holes. *Astron. Astrophys.* 492, 637-650 (2008).
- Genel, S., R. Genzel, N. Bouché, A. Sternberg, T. Naab, N.M.Förster Schreiber, K.L. Shapiro, L.J. Tacconi, D. Lutz, G. Cresci, P. Buschkamp, R.I. Davies and E.K.S. Hicks: Mergers and Mass Accretion Rates in Galaxy Assembly: The Millennium Simulation Compared to Observations of  $z \sim 2$  Galaxies. *Ap. J.* 688, 789-793 (2008).

- Genzel, R., A. Burkert, N. Bouché, G. Cresci, N.M. Förster Schreiber, A. Shapley, K. Shapiro, L.J. Tacconi, P. Buschkamp, A. Cimatti, E. Daddi, R. Davies, F. Eisenhauer, D.K. Erb, S. Genel, O. Gerhard, E. Hicks, D. Lutz, T. Naab, T. Ott, S. Rabien, A. Renzini, C.C. Steidel, A. Sternberg and S.J. Lilly: From Rings to Bulges: Evidence for Rapid Secular Galaxy Evolution at  $z \sim 2$  from Integral Field Spectroscopy in the SINS Survey. *Ap. J.* 687, 59-77 (2008).
- Georgantopoulos, I., A. Georgakakis, M. Rowan-Robinson and E. Rovilos: Searching for mid-IR obscured AGN in the Chandra deep field North. *Astron. Astrophys.* 484, 671-678 (2008).
- Gil, J., F. Haberl, G. Melikidze, U. Geppert, B. Zhang and G. Melikidze, Jr.: XMM-Newton Observations of Radio Pulsars B0834+06 and B0826-34 and Implications for the Pulsar Inner Accelerator. *Ap. J.* 686, 497-507 (2008).
- Graciá-Carpio, J., S. García-Burillo, P. Planesas, A. Fuente, A. Usero: Evidence of enhanced star formation efficiency in luminous and ultraluminous infrared galaxies. *Astron. Astrophys.* 479, 703-717 (2008).
- 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 - a 7-Channel Imager. *Publ. Astron. Soc. Pac.* 120, 405-424 (2008).
- Grupe, D., K.M. Leighly and S. Komossa: First Detection of Hard X-Ray Photons in the Soft X-Ray Transient Narrow-Line Seyfert 1 Galaxy WPVS 007: the X-Ray Photon Distribution Observed by Swift. *Astron. J.* 136, 2343-2349 (2008).
- Grupe, D., S. Komossa, L.C. Gallo, A.C. Fabian, J. Larsson, A.K. Pradhan, D. Xu and G. Miniutti: XMM-Newton Observations of the Narrow-Line Seyfert 1 Galaxy Mrk 335 in a Historical Low X-Ray Flux State. *Ap. J.* 681, 982-997 (2008).
- Gruppioni, C., F. Pozzi, M. Polletta, G. Zamorani, F. La Franca, N. Sacci, A. Comastri, L. Pozzetti, C. Vignali, C. Lonsdale, M. Rowan-Robinson, J. Surace, D. Shupe, F. Fang, I. Matute, S. Berta: The Contribution of AGNs and Star-forming Galaxies to the Mid-Infrared as Revealed by Their Spectral Energy Distributions. *Ap. J.* 684, 136-152 (2008).
- Guzzo, L., M. Pierleoni, B. Meneux, E. Branchini, O. Le Fèvre, C. Marinoni, B. Garilli, J. Blaizot, G. De Lucia, A. Pollo, H.J. McCracken, D. Bottini, V. Le Brun, D. Maccagni, J.P. Picat, R. Scaramella, M. Scodeggio, L. Tresse, G. Vettolani, A. Zanichelli, C. Adami, S. Arnouts, S. Bardelli, M. Bolzonella, A. Bongiorno, A. Cappi, S. Charlot, P. Ciliegi, T. Contini, O. Cucciati, S. de la Torre, K. Dolag, S. Foucaud, P. Franzetti, I. Gavignaud, O. Ilbert, A. Iovino, F. Lamareille, B. Marano, A. Mazure, P. Memeo, R. Merighi, L. Moscardini, S. Paltani, R. Pellò, E. Perez-Montero, L. Pozzetti, M. Radovich, D. Vergani, G. Zamorani and E. Zucca: A test of the nature of cosmic acceleration using galaxy redshift distortions. *Nature* 451, 541-544 (2008).
- Haaland, S., G. Paschmann, M. Förster, J. Quinn, R. Torbert, H. Vaith, P. Puhl-Quinn and C. Kletzing: Plasma convection in the magnetotail lobes: statistical results from Cluster EDI measurements. *Ann. Geophysicae* 26, 2371-2382 (2008).
- Haberl, F. and W. Pietsch: XMM-Newton observations of the Small Magellanic Cloud: X-ray outburst of the 6.85 s pulsar XTE J0103-728. *Astron. Astrophys.* 484, 451-455 (2008).
- Haberl, F., P. Eger and W. Pietsch: XMM-Newton observations of the Small Magellanic Cloud: Be/X-ray binary pulsars active between October 2006 and June 2007. *Astron. Astrophys.* 489, 327-348 (2008).
- Haberl, F., P. Eger, W. Pietsch, R.H.D. Corbet and M. Sasaki: XMM-Newton observations of the Small Magellanic Cloud: XMMU J004814.1-731003, a 25.55 s Be/X-ray binary pulsar. *Astron. Astrophys.* 485, 177-181 (2008).
- Haerendel, G.: Auroral arcs as current transformers. *Journal of Geophysical Research-Space Physics* 113, A7, Seq. No.: A07205 (2008).
- Halliday, C., E. Daddi, A. Cimatti, J. Kurk, A. Renzini, M. Mignoli, M. Bolzonella, L. Pozzetti, M. Dickinson, G. Zamorani, S. Berta, A. Franceschini, P. Cassata, G. Rodighiero, P. Rosati: GMASS ultradeep spectroscopy of galaxies at  $z \sim 2$ . I. The stellar metallicity. *Astron. Astrophys.* 479, 417-425 (2008).
- Harayama, Y., F. Eisenhauer and F. Martins: The Initial Mass Function of the Massive Star-forming Region NGC 3603 from Near-Infrared Adaptive Optics Observations. *Ap. J.* 675, 1319-1342 (2008).
- Hashimoto, Y., J.P. Henry and H. Böhringer: Alignment of galaxies and clusters. *Mon. Not. R. Astron. Soc.* 390, 1562-1568 (2008).
- Hasinger, G.: Absorption properties and evolution of active galactic nuclei. *Astron. Astrophys.* 490, 905-922 (2008).
- Heitsch, F., L.W. Hartmann and A. Burkert: Fragmentation of Shocked Flows: Gravity, Turbulence, and Cooling. *Ap. J.* 683, 786-795 (2008).
- Heitsch, F., L.W. Hartmann, A.D. Slyz, J.E.G. Devriendt and A. Burkert: Cooling, Gravity, and Geometry: Flow-

- driven Massive Core Formation. *Ap. J.* 674, 316-328 (2008).
- Heng, K., F. Haberl, B. Aschenbach and G. Hasinger: Erratum: "Probing Elemental Abundances in SNR 1987A using XMM-Newton". *Ap. J.* 687, 1464-1464 (2008).
- Heng, K., F. Haberl, B. Aschenbach and G. Hasinger: Probing Elemental Abundances in SNR 1987A using XMM-Newton. *Ap. J.* 676, 361-370 (2008).
- Henze, M., H. Meusinger and W. Pietsch: A systematic search for novae in M 31 on a large set of digitized archival Schmidt plates. *Astron. Astrophys.* 477, 67-78 (2008).
- Hicks, E.K.S. and M.A. Malkan: Circumnuclear gas in Seyfert 1 galaxies: morphology, kinematics and direct measurement of black hole masses. *Ap.J. Supplement Series* 174, 1, 31-73 (2008).
- Hofmann, P., R. Seurig, A. Stettner, J. Burfeindt, G. Morfill, H. Thomas, M. Thoma, H. Höfner, W. Fortov, W. Molotkov, O. Petrov and A. Lipaev: Complex plasma research on ISS: PK-3 Plus, PK-4 and impact/plasmlab. *Acta Astronautica* 63, 53-60 (2008).
- Horányi, M., A. Juhász and G.E. Morfill: Large-scale structure of Saturn's E-ring. *Geophys. Res. Lett.* 35, 4203 (2008).
- Hornberger, B., M.D. de Jonge, M. Feser, P. Holl, C. Holzner, C. Jacobsen, D. Legnini, D. Paterson, P. Rehak, L. Strueder and S. Vogt: Differential phase contrast with a segmented detector in a scanning X-ray microprobe. *Journal of Synchrotron Radiation* 15, 4, 355-362 (2008).
- Hui, C.Y. and W. Becker: Resolving the bow-shock nebula around the old pulsar PSR B1929+10 with multi-epoch Chandra observations. *Astron. Astrophys.* 486, 485-491 (2008).
- Hunt, L.K., F. Combes, S. García-Burillo, E. Schinnerer, M. Krips, A.J. Baker, F. Boone, A. Eckart, S. Léon, R. Neri and L.J. Tacconi: Molecular Gas in NUClei of GALaxies (NUGA). IX. The decoupled bars and gas inflow in NGC 2782. *Astron. Astrophys.* 482, 133-150 (2008).
- Immler, S., M. Modjaz, W. Landsman, F. Bufano, P.J. Brown, P. Milne, L. Dessart, S.T. Holland, M. Koss, D. Pooley, R.P. Kirshner, A.V. Filippenko, N. Panagia, R.A. Chevalier, P.A. Mazzali, N. Gehrels, R. Petre, D.N. Burrows, J.A. Nousek, P.W.A. Roming, E. Pian, A.M. Soderberg and J. Greiner: Swift and Chandra Detections of Supernova 2006jc: Evidence for Interaction of the Supernova Shock with a Circumstellar Shell. *Ap. J. Lett.* 674, L85-L88 (2008).
- Ioppolo, S., H.M. Cuppen, C. Romanzin, E.F. van Dishoeck, H. Linnartz: Laboratory Evidence for Efficient Water Formation in Interstellar Ices. *Ap. J.* 686, 1474-1479 (2008).
- Ivlev, A.V., G.E. Morfill, H.M. Thomas, C. Rätz, G. Joyce, P. Huber, R. Kompaneets, V.E. Fortov, A.M. Lipaev, V.I. Molotkov, T. Reiter, M. Turin and P. Vinogradov: First Observation of Electrorheological Plasmas. *Phys. Rev. Lett.* 100, 095003 (2008).
- Jia, S.M., H. Böhringer, E. Pointecouteau, Y. Chen and Y.Y. Zhang: XMM-Newton studies of a massive cluster of galaxies: RXC J2228.6+2036. *Astron. Astrophys.* 489, 1-9 (2008).
- Johansson, P.H., T. Naab and A. Burkert: Termination of star formation by BH feedback in equal- and unequal-mass mergers of disk and elliptical galaxies. *Astron. Nachr.* 329, 956 (2008).
- Kahabka, P., F. Haberl, M. Pakull, W.C. Millar, G.L. White, M.D. Filipović and J.L. Payne: Faint super-soft X-ray sources in XMM-Newton Large Magellanic Cloud fields. *Astron. Astrophys.* 482, 237-245 (2008).
- Kartavykh, Y.Y., W. Droege, B. Klecker, L. Kocharov, G.A. Kovaltsov and E. Moebius: Charge state formation of energetic ultraheavy ions in a hot plasma. *Ap.J.* 681, 2, 1653-1659 (2008).
- Keika, K., R. Nakamura, W. Baumjohann, A. Runov, T. Takada, M. Volwerk, T.L. Zhang, B. Klecker, E.A. Lucek, C. Carr, H. Rème, I. Dandouras, M. André and H. Frey: Response of the inner magnetosphere and the plasma sheet to a sudden impulse. *J. Geophys. Res.* 113, 7 (2008).
- Khrapak, S.A. and G.E. Morfill: A note on the binary interaction potential in complex (dusty) plasmas. *Phys. Plasmas* 15, 084502 (2008).
- Khrapak, S.A. and G.E. Morfill: An interpolation formula for the ion flux to a small particle in collisional plasmas. *Phys. Plasmas* 15, 114503 (2008).
- Khrapak, S.A., B.A. Klumov and G.E. Morfill: Electric Potential around an Absorbing Body in Plasmas: Effect of Ion-Neutral Collisions. *Phys. Rev. Lett.* 100, 225003 (2008).
- Kiss, C., A. Pál, T.G. Müller and P. Ábrahám: The impact of main belt asteroids on infrared-submillimetre photometry and source counts. *Astron. Astrophys.* 478, 605-613 (2008).
- Kissler-Patig, M., J.-F. Pirard, M. Casali, A. Moorwood, N. Ageorges, C. Alves de Oliveira, P. Baksai, L.R. Bedin, E. Bendek, P. Biereichel, B. Delabre, R. Dorn, R. Esteves, G. Finger, D. Gojak, G. Huster, Y. Jung, M. Kiegebush, B. Klein, F. Koch, J.-L. Lizon, L. Mehrgan, M. Petr-Gotzens, J.

- Pritchard, F. Selman and J. Stegmeier: HAWK-I: the high-acuity wide-field K-band imager for the ESO Very Large Telescope. *Astron. Astrophys.* 491, 941-950 (2008).
- Klumov, B.A. and G.E. Morfill: Effect of confinement on the crystallization of a dusty plasma in narrow channels. *Sov. Journ. Exp. and Theo. Phys. Lett.* 87, 409-413 (2008).
- Koehler, R., R. Neuhaeuser, S. Kraemer, C. Leinert, T. Ott and A. Eckart: Multiplicity of young stars in and around R Coronae Australis. *Astron. & Astrophys.* 488, 3, 997-1006 (2008).
- Kollatschny, W., R. Kotulla, W. Pietsch, K. Bischoff and M. Zetzl: New active galactic nuclei detected in ROSAT All Sky Survey galaxies. II. The complete dataset. *Astron. Astrophys.* 484, 897-915 (2008).
- Komossa, S. and D. Merritt: Gravitational Wave Recoil Oscillations of Black Holes: Implications for Unified Models of Active Galactic Nuclei. *Ap. J. Lett.* 689, L89-L92 (2008).
- Komossa, S. and D. Merritt: Tidal Disruption Flares from Recoiling Supermassive Black Holes. *Ap. J. Lett.* 683, L21-L24 (2008).
- Komossa, S., D. Xu, H. Zhou, T. Storchi-Bergmann and L. Binette: On the Nature of Seyfert Galaxies with High [O III]  $\lambda$ 5007 Blueshifts. *Ap. J.* 680, 926-938 (2008).
- Komossa, S., H. Zhou and H. Lu: A Recoiling Supermassive Black Hole in the Quasar SDSS J092712.65+294344.0?. *Ap. J. Lett.* 678, L81-L84 (2008).
- Komossa, S., H. Zhou, T. Wang, M. Ajello, J. Ge, J. Greiner, H. Lu, M. Salvato, R. Saxton, H. Shan, D. Xu and W. Yuan: Discovery of Superstrong, Fading, Iron Line Emission and Double-peaked Balmer Lines of the Galaxy SDSS J095209.56+214313.3: The Light Echo of a Huge Flare. *Ap. J. Lett.* 678, L13-L16 (2008).
- Kompaneets, R., S.V. Vladimirov, A.V. Ivlev and G. Morfill: Reciprocal interparticle attraction in complex plasmas with cold ion flows. *New J. Phys.* 10, 063018 (2008).
- Kriek, M., P.G. van Dokkum, M. Franx, G.D. Illingworth, D. Marchesini, R. Quadri, G. Rudnick, E.N. Taylor, N.M. Förster Schreiber, E. Gawiser, I. Labbé, P. Lira and S. Wuyts: A Near-Infrared Spectroscopic Survey of K-selected Galaxies at  $z \sim 2.3$ : Redshifts and Implications for Broadband Photometric Studies. *Ap. J.* 677, 219-237 (2008).
- Krips, M., S. García-Burillo, S. Martins, F. Combes, J. Graciá-Carpio, A. Eckart: A Multi-transition HCN and HCO<sup>+</sup> Study of 12 Nearby Active Galaxies: Active Galactic Nucleus versus Starburst Environments. *Ap. J.* 677, 262-275 (2008).
- Krühler, T., A. Küpcü Yoldas, J. Greiner, C. Clemens, S. McBreen, N. Primak, S. Savaglio, A. Yoldas, G.P. Szokoly and S. Klose: The 2175 Å Dust Feature in a Gamma-Ray Burst Afterglow at Redshift 2.45. *Ap. J.* 685, 376-383 (2008).
- Kucharek, H., E. Moebius, C. Mouikis, M. Lee, Y. Liu, B. Miao and M. Scholer: On the physics of collisionless shocks: cluster investigations and simulations. *Journal of Atmospheric and Solar-Terrestrial Physics* 70, 2-4 (2008) 316-324.
- Lee, J., V. Springel, U.-L. Pen and G. Lemson: Quantifying the cosmic web - I. The large-scale halo ellipticity-ellipticity and ellipticity-direction correlations. *Mon. Not. R. Astron. Soc.* 389, 1266-1274 (2008).
- Li, Y.-F., D.J. Wu and G.E. Morfill: Solitary kinetic Alfvén waves in dusty plasmas. *Phys. Plasmas* 15, 083703 (2008).
- Lichti, G.G., E. Bottacini, M. Ajello, P. Charlot, W. Collmar, A. Falcone, D. Horan, S. Huber, A. von Kienlin, A. Lähteenmäki, E. Lindfors, D. Morris, K. Nilsson, D. Petry, M. Rieger, A. Sillanpää, F. Spanier and M. Tornikoski: INTEGRAL observations of the blazar Mrk 421 in outburst. Results of a multi-wavelength campaign. *Astron. Astrophys.* 486, 721-734 (2008).
- Lidman, C., P. Rosati, M. Tanaka, V. Strazzullo, R. Demarco, C. Mullis, N. Ageorges, M. Kissler-Patig, M.G. Petr-Gotzens and F. Selman: HAWK-I imaging of the X-ray luminous galaxy cluster XMMU J2235.3-2557. The red sequence at  $z = 1.39$ . *Astron. Astrophys.* 489, 981-988 (2008).
- Liu, F.K., F. Meyer, E. Meyer-Hofmeister and V. Burwitz: Low heat conduction in white dwarf boundary layers?. *Astron. Astrophys.* 483, 231-237 (2008).
- Lommen, D., J.K. Jørgensen, E.F. van Dishoeck, A. Crapsi: SMA observations of young disks: separating envelope, disk, and stellar masses in class I YSOs. *Astron. Astrophys.* 481, 141-147 (2008).
- Lui, A.T.Y., M. Volwerk, M.W. Dunlop, I.V. Alexeev, A.N. Fazakerley, A.P. Walsh, M. Lester, A. Grocott, C. Mouikis, M.G. Henderson, L.M. Kistler, C. Shen, J.K. Shi, T.L. Zhang, H. Rème: Near-Earth substorm features from multiple satellite observations. *J. Geophys. Res.*, 113, A07S26, (2008).
- Luo, B., F.E. Bauer, W.N. Brandt, D.M. Alexander, B.D. Lehmer, D.P. Schneider, M. Brusa, A. Comastri, A.C. Fabian, A. Finoguenov, R. Gilli, G. Hasinger, A.E. Hornschemeier, A. Koekemoer, V. Mainieri, M. Paolillo, P. Rosati, O. Shemmer, J.D. Silverman, I. Smail, A.T. Steffen and C. Vignali: The Chandra Deep Field-South



- Survey: 2 Ms Source Catalogs. *Ap. J. Supp. Ser.* 179, 19-36 (2008).
- Lutz, D., E. Sturm, L.J. Tacconi, E. Valiante, M. Schweitzer, H. Netzer, R. Maiolino, P. Andreani, O. Shemmer and S. Veilleux: Star Formation in the Hosts of High-*z* QSOs: Evidence from Spitzer PAH Detections. *Ap. J.* 684, 853-861 (2008).
- Mainieri, V., K.I. Kellermann, E.B. Fomalont, N. Miller, P. Padovani, P. Rosati, P. Shaver, J. Silverman, P. Tozzi, J. Bergeron, G. Hasinger, C. Norman and P. Popesso: The VLA Survey of the Chandra Deep Field-South. II. Identification and Host Galaxy Properties of Submillijansky Sources. *Ap. J. Supp. Ser.* 179, 95-113 (2008).
- Marinoni, C., L. Guzzo, A. Cappi, O. Le Fèvre, A. Mazure, B. Meneux, A. Pollo, A. Iovino, H. J. McCracken, R. Scaramella, S. de la Torre, J.M. Virey, D. Bottini, B. Garilli, V. Le Brun, D. Maccagni, J.P. Picat, M. Scoddeggio, L. Tresse, G. Vettolani, A. Zanichelli, C. Adami, S. Arnouts, S. Bardelli, M. Bolzonella, S. Charlot, P. Ciliegi, T. Contini, S. Foucaud, P. Franzetti, I. Gavignaud, O. Ilbert, F. Lamareille, B. Marano, G. Mathez, R. Merighi, S. Paltani, R. Pellò, L. Pozzetti, M. Radovich, D. Vergani, G. Zamorani, E. Zucca, U. Abbas, M. Bondi, A. Bongiorno, J. Brinchmann, A. Buzzi, O. Cucciati, L. de Ravel, L. Gregorini, Y. Mellier, P. Merluzzi, E. Perez-Montero, P. Taxil, S. Tempurin, and C.J. Walcher : The VIMOS VLT Deep Survey. Testing the gravitational instability paradigm at  $z \sim 1$ . *Astron. Astrophys.* 487, 007-017 (2008).
- Martin, N.F., M.G. Coleman, J.T.A. De Jong, H.-W. Rix, E.F. Bell, D.J. Sand, J.M. Hill, D. Thompson, V. Burwitz, E. Giallongo, R. Ragazzoni, E. Diolaiti, F. Gasparo, A. Grazian, F. Pedichini and J. Bechtold: A Deep Large Binocular Telescope View of the Canes Venatici I Dwarf Galaxy. *Ap. J. Lett.* 672, L13-L16 (2008).
- Martins, F., D.J. Hillier, T. Paumard, F. Eisenhauer, T. Ott and R. Genzel: The most massive stars in the Arches cluster. *Astron. Astrophys.* 478, 219-233 (2008).
- Martins, F., S. Gillessen, F. Eisenhauer, R. Genzel, T. Ott and S. Trippe: On the Nature of the Fast-Moving Star S2 in the Galactic Center. *Ap. J. Lett.* 672, L119-L122 (2008).
- Martin-Zaidi, C., E.F. van Dishoeck, J.C. Augereau, P.O. Lagage and E. Pantin: Searching for molecular hydrogen mid-infrared emission in the circumstellar environments of Herbig Be stars (Research Note). *Astron. Astrophys.* 489, 2, 601-605 (2008).
- Mastropietro, C. and A. Burkert: Simulating the Bullet Cluster. *Mon. Not. R. Astron. Soc.* 389, 967-988 (2008).
- Mastropietro, C., A. Burkert and B. Moore: Ram-Pressure Induced Star Formation in the LMC. *Publ. Astron. Soc. Australia* 25, 138-148 (2008).
- Mateos, S., R.S. Warwick, F.J. Carrera, G.C. Stewart, J. Ebrero, R. Della Ceca, A. Caccianiga, R. Gilli, M.J. Page, E. Treister, J.A. Tedds, M.G. Watson, G. Lamer, R.D. Saxton, H. Brunner and C.G. Page: High precision X-ray log N - log S distributions: implications for the obscured AGN population. *Astron. Astrophys.* 492, 51-69 (2008).
- Matsui, H., R.B. Torbert, W. Baumjohann, H. Kucharek, S.J. Schwartz, C.G. Mouikis, H. Vaith, L.M. Kistler, E.A. Lucek, A.N. Fazakerley, B. Miao and G. Paschmann: Oscillation of electron counts at 500 eV downstream of the quasi-perpendicular bow shock. *J. Geophys. Res.* 113, 8223 (2008).
- Maurogordato, S., A. Cappi, C. Ferrari, C. Benoist, G. Mars, G. Soucail, M. Arnaud, G.W. Pratt, H. Bourdin and J.-L. Sauvageot: A 2163: Merger events in the hottest Abell galaxy cluster. I. Dynamical analysis from optical data. *Astron. Astrophys.* 481, 593-613 (2008).
- Mazets, E.P., R.L. Aptekar, T.L. Cline, D.D. Frederiks, J.O. Goldsten, S.V. Golenetskii, K. Hurley, A. von Kienlin and V.D. Pal'shin: A Giant Flare from a Soft Gamma Repeater in the Andromeda Galaxy (M31). *Ap. J.* 680, 545-549 (2008).
- McBreen, S., S. Foley, D. Watson, L. Hanlon, D. Malesani, J.P.U. Fynbo, D.A. Kann, N. Gehrels, S. McGlynn and D. Palmer: The Spectral Lag of GRB 060505: A Likely Member of the Long-Duration Class. *Ap. J. Lett.* 677, L85-L88 (2008).
- McGee, S.L., M.L. Balogh, R.D.E. Henderson, D.J. Wilman, R.G. Bower, J.S. Mulchaey and A.J. Oemler: Evolution in the discs and bulges of group galaxies since  $z = 0.4$ . *Mon. Not. R. Astron. Soc.* 387, 1605-1621 (2008).
- McGlynn, S., S. Foley, S. McBreen, L. Hanlon, R. O'Connor, A.M. Carrillo and B. McBreen: GRB 070707: the first short gamma-ray burst observed by INTEGRAL. *Astron. Astrophys.* 486, 405-410 (2008).
- Meneux, B., L. Guzzo, B. Garilli, O. Le Fèvre, A. Pollo, J. Blaizot, G. De Lucia, M. Bolzonella, F. Lamareille, L. Pozzetti, A. Cappi, A. Iovino, C. Marinoni, H.J. McCracken, S. de la Torre, D. Bottini, V. Le Brun, D. Maccagni, J.P. Picat, R. Scaramella, M. Scoddeggio, L. Tresse, G. Vettolani, A. Zanichelli, U. Abbas, C. Adami, S. Arnouts, S. Bardelli, A. Bongiorno, S. Charlot, P. Ciliegi, T. Contini, O. Cucciati, S. Foucaud, P. Franzetti, I. Gavignaud, O. Ilbert, B. Marano, A. Mazure, R. Merighi, S. Paltani, R. Pellò, M. Radovich, D. Vergani, G. Zamorani and E. Zucca: The VIMOS-VLT Deep Survey (VVDS): the dependence of clustering on galaxy stellar mass at  $z \sim 1$ . *Astron. Astrophys.* 478, 2, 299-310 (2008).



- Mennickent, R., J. Greiner, J. Arenas, G. Tovmassian, E. Mason, C. Tappert and C. Papadaki: The remarkable properties of the symbiotic star AE Circinus. *Mon. Not. R. Astron. Soc.* 383, 845-856 (2008).
- Merín, B., J. Jørgensen, L. Spezzi, J.M. Alcalá, N.J. Evans II, P.M. Harvey, T. Prusti, N. Chapman, T. Huard, E.F. van Dishoeck, F. Comerón: The Spitzer c2d Survey of Large, Nearby, Interstellar Clouds. XI. Lupus Observed with IRAC and MIPS. *Ap. J. Suppl.* 177, 551-583 (2008).
- Merloni, A. and S. Heinz: A synthesis model for AGN evolution: supermassive black holes growth and feedback modes. *Mon. Not. R. Astron. Soc.* 388, 3, 1011-1030 (2008).
- Middelberg, E., R.P. Norris, T.J. Cornwell, M.A. Voronkov, B.D. Siana, B.J. Boyle, P. Ciliegi, C.A. Jackson, M.T. Huynh, S. Berta, S. Rubele, C.J. Lonsdale, R.J. Ivison and I. Smail: Deep Australia telescope large area survey radio observations of the European large Area ISO survey S1/Spitzer wide-area infrared extragalactic field. *Astron. J.* 135, 4, 1276-1290 (2008).
- Middelberg, E., R.P. Norris, T.J. Cornwell, M.A. Voronkov, B.D. Siana, B.J. Boyle, P. Ciliegi, C.A. Jackson, M.T. Huynh, S. Berta, S. Rubele, C.J. Lonsdale, R.J. Ivison and I. Smail: Erratum: "Deep Australia telescope large area survey radio observations of the European large area ISO survey S1/Spitzer wide-area infrared extragalactic field". *Astron. J.* 136, 1, 519 (2008).
- Milvang-Jensen, B., S. Noll, C. Halliday, B.M. Poggianti, P. Jablonka, A. Aragón-Salamanca, R.P. Saglia, N. Nowak, A. von der Linden, G. De Lucia, R. Pelló, J. Moustakas, S. Poirier, S.P. Bamford, D.I. Clowe, J.J. Dalcanton, G.H. Rudnick, L. Simard, S.D.M. White and D. Zaritsky: Spectroscopy of clusters in the ESO distant cluster survey (EDisCS). II. Redshifts, velocity dispersions, and substructure for clusters in the last 15 fields. *Astron. Astrophys.* 482, 419-449 (2008).
- Mitic, S., B.A. Klumov, U. Konopka, M.H. Thoma and G.E. Morfill: Structural Properties of Complex Plasmas in a Homogeneous dc Discharge. *Phys. Rev. Lett.* 101, 125002 (2008).
- Mitic, S., R. Sütterlin, A.V. Ivlev, H. Höfner, M.H. Thoma, S. Zhdanov and G.E. Morfill: Convective Dust Clouds in a Complex Plasma. *Phys. Rev. Lett.* 101, 235001-1-235001-4 (2008).
- Montalto, M., A. Riffeser, U. Hopp, S. Wilke and G. Carraro: The comet 17P/Holmes 2007 outburst: the early motion of the outburst material. *Astron. Astrophys.* 479, L45-L49 (2008).
- Morelli, L., E. Pompei, A. Pizzella, J. Méndez-Abreu, E.M. Corsini, L. Coccato, R.P. Saglia, M. Sarzi and F. Bertola: Stellar populations of bulges in 14 cluster disc galaxies. *Mon. Not. R. Astron. Soc.* 389, 341-363 (2008).
- Morfill, G., V. Fortov, L. Boufendi and N. Brenning: The Plasma State of Soft Matter. *Europhys. News* 39, 30-32 (2008).
- Murakawa, K., T. Preibisch, S. Kraus, N. Ageorges, K.-H. Hofmann, M. Ishii, S. Oya, A. Rosen, D. Schertl and G. Weigelt: VLT/NACO and Subaru/CIAO JHK-band high-resolution imaging polarimetry of the Herbig Be star R Monocerotis. *Astron. Astrophys.* 488, L75-L78 (2008).
- Nakamura, R., W. Baumjohann, M. Fujimoto, Y. Asano, A. Runov, C.J. Owen, A.N. Fazakerley, B. Klecker, H. Rème, E.A. Lucek, M. Andre and Y. Khotyaintsev: Cluster observations of an ion-scale current sheet in the magnetotail under the presence of a guide field. *J. Geophys. Res.* 113, 7 (2008).
- Nelemans, G., R. Voss, G. Roelofs and C. Bassa: Limits on the X-ray and optical luminosity of the progenitor of the type Ia supernova 2007sr. *Mon. Not. R. Astron. Soc.* 388, 2, 487-494 (2008).
- Nesvadba, N.P.H., M.D. Lehnert, R.I. Davies, A. Verma and F. Eisenhauer: Integral-field spectroscopy of a Lyman-break galaxy at  $z = 3.2$ : evidence for merging. *Astron. Astrophys.* 479, 67-73 (2008).
- Nilsson, H., M. Waara, O. Marghitsu, M. Yamauchi, R. Lundin, H. Rème, J.-A. Sauvaud, I. Dandouras, E. Lucek, L.M. Kistler, B. Klecker, C.W. Carlson, M.B. Bavassano-Cattaneo and A. Korth: An assessment of the role of the centrifugal acceleration mechanism in high altitude polar cap oxygen ion outflow. *Ann. Geophysicae* 26, 145-157 (2008).
- Nilsson, H., M. Waara, O. Marghitsu, M. Yamauchi, R. Lundin, H. Rème, J.-A. Sauvaud, I. Dandouras, E. Lucek, L.M. Kistler, B. Klecker, C.W. Carlson, M.B. Bavassano-Cattaneo and A. Korth: Transients in oxygen outflow above the polar cap as observed by the Cluster spacecraft. *Ann. Geophysicae* 26, 3365-3373 (2008).
- Noordermeer, E., M.R. Merrifield, L. Coccato, M. Arnaboldi, M. Capaccioli, N.G. Douglas, K.C. Freeman, O. Gerhard, K. Kuijken, F. de Lorenzi, N.R. Napolitano and A.J. Romanowsky: Testing the nature of S0 galaxies using planetary nebula kinematics in NGC 1023. *Mon. Not. R. Astron. Soc.* 384, 943-952 (2008).
- Nordon, R., E. Behar: Abundance variations and first ionization potential trends during large stellar flares. *Astron. Astrophys.* 482, 639-651 (2008).

- Nosenko, V., S. Zhdanov and G. Morfill: Dislocation nucleation and motion observed in a plasma crystal. *Philosophical Magazine* 88, 3747-3755 (2008).
- Nosenko, V., S. Zhdanov, A.V. Ivlev, G. Morfill, J. Goree and A. Piel: Heat Transport in a Two-Dimensional Complex (Dusty) Plasma at Melting Conditions. *Phys. Rev. Lett.* 100, 025003 (2008).
- Nowak, N., R.P. Saglia, J. Thomas, R. Bender, R.I. Davies and K. Gebhardt: The supermassive black hole of Fornax A. *Mon. Not. R. Astron. Soc.* 391, 1629-1649 (2008).
- Noyola, E., K. Gebhardt and M. Bergmann: Gemini and Hubble Space Telescope evidence for an intermediate-mass black hole in  $\omega$  Centauri. *Ap.J.* 676, 2, 1008-1015 (2008).
- Öberg, K.I., A.C.A. Boogert, K.M. Pontoppidan, G.A. Blake, N.J. Evans, F. Lahuis, E.F. van Dishoeck: The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. III. CH<sub>4</sub>. *Ap. J.* 678, 1032-1041 (2008).
- Ofek, E.O., M. Muno, R. Quimby, S.R. Kulkarni, H. Stiele, W. Pietsch, E. Nakar, A. Gal-Yam, A. Rau, P.B. Cameron, S.B. Cenko, M.M. Kasliwal, D.B. Fox, P. Chandra, A.K.H. Kong and R. Barnard: GRB 070201: A Possible Soft Gamma-Ray Repeater in M31. *Ap. J.* 681, 1464-1469 (2008).
- Orlando, E. and A.W. Strong: Gamma-ray emission from the solar halo and disk: a study with EGRET data. *Astron. Astrophys.* 480, 847-857 (2008).
- Pace, F., M. Maturi, M. Bartelmann, N. Cappelluti, K. Dolag, M. Meneghetti and L. Moscardini: Statistical properties of SZ and X-ray cluster detections. *Astron. Astrophys.* 483, 2, 389-400 (2008).
- Padgett, D.L., L.M. Rebull, K.R. Stapelfeldt, N.L. Chapman, S.-P. Lai, L.G. Mundy, N.J. Evans II, T.Y. Brooke, L.A. Cieza, W.J. Spiesman, A. Noriega-Crespo, C.-E. McCabe, L.E. Allen, G.A. Blake, P.M. Harvey, T.L. Huard, J.K. Jørgensen, D.W. Koerner, P.C. Myers, A.I. Sargent, P. Teuben, E.F. van Dishoeck, Z. Wahhaj, K.E. Young: The Spitzer c2d Survey of Large, Nearby, Interstellar Clouds. VII. Ophiuchus Observed with MIPS. *Ap. J.* 672, 1013-1037 (2008).
- Papadakis, I.E., Z. Ioannou, W. Brinkmann and E.M. Xilouris: The X-ray variability and the near-IR to X-ray spectral energy distribution of four low luminosity Seyfert 1 galaxies. *Astron. Astrophys.* 490, 995-1003 (2008).
- Paschmann, G.: Recent in-situ observations of magnetic reconnection in near-Earth space. *Geophys. Res. Lett.* 35, 19109 (2008).
- Pasquali, A., A. Leroy, H.-W. Rix, F. Walter, T. Herbst, E. Giallongo, R. Ragazzoni, A. Baruffolo, R. Speziali, J. Hill, G. Beccari, N. Bouché, P. Buschkamp, C. Kochanek, E. Skillman and J. Bechtold: The Large Binocular Telescope Panoramic View of the Recent Star Formation Activity in IC 2574. *Ap. J.* 687, 1004-1018 (2008).
- Pedersen, A., B. Lybekk, M. André, A. Eriksson, A. Masson, F. Mozer, P.-A. Lindqvist, P.M.E. Décreau, I. Dandouras, J.-A. Sauvaud, A. Fazakerley, M. Taylor, G. Paschmann, K. Svenes, K. Torkar and E. Whipple: Correction to "Electron density estimations derived from spacecraft potential measurements on Cluster in tenuous plasma regions". *J. Geophys. Res.* 113, 7220 (2008).
- Pierini, D., S. Zibetti, F. Braglia, H. Böhringer, A. Finoguenov, P.D. Lynam and Y.-Y. Zhang: Diffuse stellar emission in X-ray luminous galaxy clusters at  $z \sim 0.3$ . I. Is the diffuse optical light boosted and rejuvenated in merging clusters?. *Astron. Astrophys.* 483, 727-739 (2008).
- Pietsch, W.: The X-ray source population of the Andromeda galaxy M 31. *Astron. Nachr.* 329, 170 (2008).
- Pinte, C., D.L. Padgett, F. Ménard, K.R. Stapelfeldt, G. Schneider, J. Olofsson, O. Panic, J.C. Augereau, G. Duchene, J. Krist, K. Pontoppidan, M.D. Perrin, C.A. Grady, J. Kessler-Silacci, E.F. van Dishoeck, D. Lommen, M. Silverstone, D.C. Hines, S. Wolf, G.A. Blake, T. Henning and B. Stecklum: Probing dust grain evolution in IM Lupi's circumstellar disc - multi-wavelength observations and modelling of the dust disc. *Astron. Astrophys.* 489, 2, 633-650 (2008).
- Pitout, F., M.W. Dunlop, A. Blagau, Y.Y. Bogdanova, P. Escoubet, C. Carr, I. Dandouras and A. Fazakerley: Coordinated Cluster and Double Star observations of the dayside magnetosheath and magnetopause at different latitudes near noon. *J. Geophys. Res.* 113, A07S06, (2008).
- Pizzella, A., E.M. Corsini, M. Sarzi, J. Magorrian, J. Mendez-Abreu, L. Coccato, L. Morelli and F. Bertola: Stellar populations of bulges in 14 cluster disc galaxies. *Mon. Not. R. Astron. Soc.* 387, 1099-1116 (2008).
- Plotkin, R.M., S.F. Anderson, P.B. Hall, B. Margon, W. Voges, D.P. Schneider, G. Stinson and D.G. York: A Large Sample of BL Lac Objects from the SDSS and First. *Astron. J.* 135, 2453-2469 (2008).
- Plucinsky, P.P., B. Williams, K.S. Long, T.J. Gaetz, M. Sasaki, W. Pietsch, R. Tüllmann, R.K. Smith, W.P. Blair, D. Helfand, J.P. Hughes, P.F. Winkler, M. de Avillez, L. Bianchi, D. Breitschwerdt, R.J. Edgar, P. Ghavamian, J. Grindlay, F. Haberl, R. Kirshner, K. Kuntz, T. Mazeh, T.G. Pannuti, A. Shporer and D.A. Thilker: Chandra ACIS

- Survey of M33 (ChASeM33): A First Look. *Ap. J. Supp. Ser.* 174, 366-378 (2008).
- Poggianti, B.M., V. Desai, R. Finn, S. Bamford, G. De Lucia, J. Varela, A. Aragón-Salamanca, C. Halliday, S. Noll, R. Saglia, D. Zaritsky, P. Best, D. Clowe, B. Milvang-Jensen, P. Jablonka, R. Pelló, G. Rudnick, L. Simard, A. von der Linden and S. White: The Relation between Star Formation, Morphology, and Local Density in High-Redshift Clusters and Groups. *Ap. J.* 684, 888-904 (2008).
- Polletta, M., A. Omont, S. Berta, J. Bergeron, C.S. Stalin, P. Petitjean, M. Giorgetti, G. Trinchieri, R. Srikanand, H.J. McCracken, Y. Pei and H. Dannerbauer: Obscured and powerful AGN and starburst activities at  $z \sim 3.5$ . *Astron. Astrophys.* 492, 81-92 (2008).
- Pontoppidan, K.M., A.C.A. Boogert, H.J. Fraser, E.F. van Dishoeck, G.A. Blake, F. Lahuis, K.I. Oberg, N.J. Evans II, C. Salyk: The c2d Spitzer Spectroscopic Survey of Ices around Low-Mass Young Stellar Objects. II. CO<sub>2</sub>. *Ap. J.* 678, 1005-1031, (2008).
- Pontoppidan, K.M., G.A. Blake, E.F. van Dishoeck, A. Smette, M.J. Ireland and J. Brown: Spectroastrometric imaging of molecular gas within protoplanetary disk gaps. *Ap.J.* 684, 2, 1323-1329 (2008).
- Porquet, D., N. Grosso, P. Predehl, G. Hasinger, F. Yusef-Zadeh, B. Aschenbach, G. Trap, F. Melia, R.S. Warwick, A. Goldwurm, G. Bélanger, Y. Tanaka, R. Genzel, K. Dodds-Eden, M. Sakano and P. Ferrando: X-ray hiccups from Sagittarius A\* observed by XMM-Newton. The second brightest flare and three moderate flares caught in half a day. *Astron. Astrophys.* 488, 549-557 (2008).
- Porter, T.A., I.V. Moskalenko, A.W. Strong, E. Orlando and L. Bouchet: Inverse Compton Origin of the Hard X-Ray and Soft Gamma-Ray Emission from the Galactic Ridge. *Ap. J.* 682, 400-407 (2008).
- Posselt, B., S.B. Popov, F. Haberl, J. Trümper, R. Turolla and R. Neuhäuser: The needle in the haystack: where to look for more isolated cooling neutron stars. *Astron. Astrophys.* 482, 617-629 (2008).
- Prieto, J.L., K.Z. Stanek, C.S. Kochanek, D.R. Weisz, A. Baruffolo, J. Bechtold, V. Burwitz, C. De Santis, S. Gallozzi, P.M. Garnavich, E. Giallongo, J.M. Hill, R.W. Pogge, R. Ragazzoni, R. Speziali, D.J. Thompson and R.M. Wagner: LBT Discovery of a Yellow Supergiant Eclipsing Binary in the Dwarf Galaxy Holmberg IX. *Ap. J. Lett.* 673, L59-L62 (2008).
- Ramírez, J.M., S. Komossa, V. Burwitz and S. Mathur: Chandra LETGS Spectroscopy of the Quasar MR 2251-178 and Its Warm Absorber. *Ap. J.* 681, 965-981 (2008).
- Ramírez, J.M.: Physical and kinematical properties of the X-ray absorber in the broad absorption line quasar APM 08279+5255. *Astron. Astrophys.* 489, 1, 57-68 (2008).
- Räth, C., R. Monetti, J. Bauer, I. Sidorenko, D. Müller, M. Matsuura, E.-M. Lochmüller, P. Zysset and F. Eckstein: Strength through structure: visualization and local assessment of the trabecular bone structure. *New J. Phys.* 10, 125010 (2008).
- Ratynskaia, S., C. Castaldo, E. Giovannozzi, D. Rudakov, G. Morfill, M. Horanyi, J.H. Yu and G. Maddaluno: In situ dust detection in fusion devices. *Plasma Phys. Controlled Fusion* 50, 124046 (2008).
- Ratynskaia, S., C. Castaldo, K. Rypdal, G. Morfill, U. de Angelis, V. Pericoli-Ridolfini, A. Rufoloni and E. Giovannozzi: Hypervelocity dust impacts in FTU scrape-off layer. *Nucl. Fusion* 48, 015006 (2008).
- Rau, A., E.O. Ofek, S.R. Kulkarni, B.F. Madore, O. Pevunova and M. Ajello: A survey for fast transients in the Fornax Cluster of galaxies. *Ap.J.* 682, 2, 1205-1216 (2008).
- Read, A.M., R.D. Saxton, M.A.P. Torres, P. Esquej, E. Kuulkers, P.G. Jonker, J.P. Osborne, M.J. Freyberg and P. Challis: XMM-Newton slew survey discovery of the nova XMMSL1 J070542.7-381442 (V598 Puppis). *Astron. Astrophys.* 482, L1-L4 (2008).
- Rebusco, P., E. Churazov, R. Sunyaev, H. Böhringer and W. Forman: Width of X-ray lines as a diagnostic of gas motions in cooling flows. *Mon. Not. R. Astron. Soc.* 384, 1511-1518 (2008).
- Riffeser, A., S. Seitz and R. Bender: The M31 Microlensing Event WeCAPP-GL1/POINT-AGAPE-S3: Evidence for a MACHO Component in the Dark Halo of M31?. *Ap. J.* 684, 1093-1109 (2008).
- Rossi, A., A. de Ugarte Postigo, P. Ferrero, D.A. Kann, S. Klose, S. Schulze, J. Greiner, P. Schady, R. Filgas, E.E. Gonsalves, A. Küpcü Yoldas, T. Krühler, G. Szokoly, A. Yoldas, P.M.J. Afonso, C. Clemens, J.S. Bloom, D.A. Perley, J.P.U. Fynbo, A.J. Castro-Tirado, J. Gorosabel, P. Kubánek, A.C. Updike, D.H. Hartmann, A. Giuliani, S.T. Holland, L. Hanlon, M. Bremer, J. French, G. Melady and D.A. García-Hernández: A photometric redshift of  $z = 1.8 (+0.4, -0.3)$  for the AGILE GRB 080514B. *Astron. Astrophys.* 491, L29-L32 (2008).
- Rost, S., A. Eckart and T. Ott: Near-infrared polarization images of the Orion proplyds. *Astron. Astrophys.* 485, 107-116 (2008).
- Rowan Robinson, M., T. Babbedge, S. Oliver, M. Trichas, S. Berta, C. Lonsdale, G. Smith, D. Shupe, J. Surace, S. Arnouts, O. Ilbert, O. Le Fèvre, A. Afonso-Luis, I. Perez-

- Fournon, E. Hatziminaoglou, M. Polletta, D. Farrah, M. Vaccari: Photometric redshifts in the SWIRE Survey. *Mon. Not. R. Astron. Soc.* 386, 697-714 (2008).
- Runov, A., I. Voronkov, Y. Asano, W. Baumjohann, M. Fujimoto, R. Nakamura, T. Takada, M. Volwerk, Z. Vörös, M. Meurant, A. Fazakerley, H. Rème, and A. Balogh: Structure of the near-Earth plasma sheet during tailward flows, *Ann. Geophys.*, 26, 709-724 (2008).
- Runov, A., W. Baumjohann, R. Nakamura, V.A. Sergeev, O. Amm, H. Frey, I. Alexeev, A.N. Fazakerley, C.J. Owen, E. Lucek, M. André, A. Vaivads, I. Dandouras and B. Klecker: Observations of an active thin current sheet. *J. Geophys. Res.* 113, 7 (2008).
- Rypdal, K., B. Kozelov, S. Ratynskaia, B. Klumov, C. Knapik and M. Rypdal: Scale-free vortex cascade emerging from random forcing in a strongly coupled system. *New J. Phys.* 10, 093018 (2008).
- Sajina, A., L. Yan, D. Lutz, A. Steffen, G. Helou, M. Huynh, D. Frayer, P. Choi, L. Tacconi and K. Dasyra: Spitzer Mid-Infrared Spectroscopy of Infrared Luminous Galaxies at  $z \sim 2$ . III. Far-IR to Radio Properties and Optical Spectral Diagnostics. *Ap. J.* 683, 659-682 (2008).
- Sala, G., J. Greiner, M. Ajello and N. Primak: The 2007 outburst of the X-ray binary XTE J1856+053. *Astron. Astrophys.* 489, 1239-1242 (2008).
- Sala, G., M. Hernanz, C. Ferri and J. Greiner: V5116 Sagittarii, an Eclipsing Supersoft Postoutburst Nova?. *Ap. J. Lett.* 675, L93-L96 (2008).
- Salucci, P., I.A. Yegorova and N. Drory: The disc mass of spiral galaxies. *Mon. Not. R. Astron. Soc.* 388, 1, 159-164 (2008).
- Salyk, C., K.M. Pontoppidan, G.A. Blake, F. Lahuis, E.F. van Dishoeck, N.J. Evans II: H<sub>2</sub>O and OH Gas in the Terrestrial Planet-forming Zones of Protoplanetary Disks. *Ap. J.* 676, L49-L52 (2008).
- Samsonov, D. and G.E. Morfill: High-Speed Imaging of a Shock in a Complex Plasma. *IEEE Trans. Plasma Sci.* 36, 1020-1021 (2008).
- Samsonov, D., A. Elsaesser, A. Edwards, H.M. Thomas and G.E. Morfill: High speed laser tomography system. *Rev. Sci. Instruments* 79, 035102 (2008).
- Sanchez, A.G., C.M. Baugh and R. Angulo: What is the best way to measure baryonic acoustic oscillations? *Mon. Not. R. Astron. Soc.* 390, 1470-1490 (2008).
- Santos, J.S., P. Rosati, P. Tozzi, H. Böhringer, S. Ettori and A. Bignamini: Searching for cool core clusters at high redshift. *Astron. Astrophys.* 483, 35-47 (2008).
- Saxton, R.D., A.M. Read, P. Esquej, M.J. Freyberg, B. Altieri and D. Bermejo: The first XMM-Newton slew survey catalogue: XMMSL1. *Astron. Astrophys.* 480, 611-622 (2008).
- Sani, E., G. Risaliti, M. Salvati, R. Maiolino, A. Marconi, S. Berta, V. Braitto, R. Della Ceca, A. Franceschini: 3-5  $\mu$ m Spectroscopy of Obscured AGNs in ULIRGs. *Ap. J.* 675, 96-105 (2008).
- Schartmann, M.S., K. Meisenheimer, M. Camenzind, S. Wolf, K.R.W. Tristram and T. Henning: Three-dimensional radiative transfer models of clumpy tori in Seyfert galaxies. *Astron. Astrophys.* 482, 67-80 (2008).
- Schwabe, M., S.K. Zhdanov, H.M. Thomas, A.V. Ivlev, M. Rubin-Zuzic, G.E. Morfill, V.I. Molotkov, A.M. Lipaev, V.E. Fortov and T. Reiter: Nonlinear waves externally excited in a complex plasma under microgravity conditions. *New J. Phys.* 10, 033037 (2008).
- Schweitzer, M., B. Groves, H. Netzer, D. Lutz, E. Sturm, A. Contursi, R. Genzel, L.J. Tacconi, S. Veilleux, D.-C. Kim, D. Rupke and A.J. Baker: Extended Silicate Dust Emission in Palomar-Green QSOs. *Ap. J.* 679, 101-117 (2008).
- Shapiro, K.L., R. Genzel, N.M. Förster Schreiber, L.J. Tacconi, N. Bouché, G. Cresci, R. Davies, F. Eisenhauer, P.H. Johansson, D. Krajnović, D. Lutz, T. Naab, N. Arimoto, S. Arribas, A. Cimatti, L. Colina, E. Daddi, O. Daigle, D. Erb, O. Hernandez, X. Kong, M. Mignoli, M. Onodera, A. Renzini, A. Shapley and C. Steidel: Kinemetry of SINS High-Redshift Star-Forming Galaxies: Distinguishing Rotating Disks from Major Mergers. *Ap. J.* 682, 231-251 (2008).
- Sheridan, T.E., V. Nosenko and J. Goree: Experimental study of nonlinear solitary waves in two-dimensional dusty plasma. *Phys. Plasmas* 15, 073703, 1-6 (2008).
- Shimizu, S., B.M. Annaratone, T. Shimizu, W. Jacob, H. Thomas and G.E. Morfill: Environment with reduced ion bombardment energy for levitated particles in an rf plasma. *Plasma Sources Science and Technology* 17, 035014, 1-4 (2008).
- Shimizu, T., B. Steffes, R. Pompl, F. Jamitzky, W. Bunk, K. Ramrath, M. Georgi, W. Stolz, H.-U. Schmidt, T. Urayama, S. Fujii and G.E. Morfill: Characterization of microwave plasma torch for decontamination. *Plasma Processes and Polymers* 5, 39-47 (2008).
- Shimizu, T.S., B.S. Steffes, R.P. Pompl, F.J. Jamitzky, W.B. Bunk, K.R. Ramrath, M.G. Georgi, W.S. Stolz, H.-U.S. Schmidt, T.U. Urayama, S. Fujii, G.E. Morfill: Characterization of Microwave Plasma Torch for



- Decontamination. *Plasma Processes and Polymers* 5, 577-582 (2008).
- Shioya, Y., Y. Taniguchi, S.S. Sasaki, T. Nagao, T. Murayama, M.I. Takahashi, M. Ajiki, Y. Ideue, S. Mihara, A. Nakajima, N.Z. Scoville, B. Mobasher, H. Aussel, M. Giavalisco, L. Guzzo, G. Hasinger, C. Impey, O. Le Fèvre, S. Lilly, A. Renzini, M. Rich, D.B. Sanders, E. Schinnerer, P. Shopbell, A. Leauthaud, J.-P. Kneib, J. Rhodes and R. Massey: The H $\alpha$  Luminosity Function and Star Formation Rate at  $z \sim 0.24$  in the COSMOS 2 Square Degree Field. *Ap. J. Supp. Ser.* 175, 128-137 (2008).
- Shupe, D.L., M. Rowan-Robinson, C.J. Lonsdale, F. Masci, T. Evans, F. Fang, S. Oliver, M. Vaccari, G. Rodighiero, D. Padgett, J.A. Surace, C.K. Xu, S. Berta, F. Pozzi, A. Franceschini, T. Babbedge, E. Gonzales-Solares, B.D. Siana, D. Farrah, D.T. Frayer, H.E. Smith, M. Polletta, F. Owen, I. Pérez-Fournon: Galaxy Counts at 24  $\mu\text{m}$  in the Swire Fields. *Astron. J.* 135, 1050-1056 (2008).
- Silverman, J.D., P.J. Green, W.A. Barkhouse, D.-W. Kim, M. Kim, B.J. Wilkes, R.A. Cameron, G. Hasinger, B.T. Jannuzi, M.G. Smith, P.S. Smith and H. Tananbaum: The Luminosity Function of X-Ray-selected Active Galactic Nuclei: Evolution of Supermassive Black Holes at High Redshift. *Ap. J.* 679, 118-139 (2008).
- Silverman, J.D., V. Mainieri, B.D. Lehmer, D.M. Alexander, F.E. Bauer, J. Bergeron, W.N. Brandt, R. Gilli, G. Hasinger, D.P. Schneider, P. Tozzi, C. Vignali, A.M. Koekemoer, T. Miyaji, P. Popesso, P. Rosati and G. Szokoly: The Evolution of AGN Host Galaxies: From Blue to Red and the Influence of Large-Scale Structures. *Ap. J.* 675, 1025-1040 (2008).
- Simionescu, A., N. Werner, A. Finoguenov, H. Böhringer and M. Brüggen: Metal-rich multi-phase gas in M 87. AGN-driven metal transport, magnetic-field supported multi-temperature gas, and constraints on non-thermal emission observed with XMM-Newton. *Astron. Astrophys.* 482, 97-112 (2008).
- Smolčić, V., E. Schinnerer, M. Scodreggio, P. Franzetti, H. Aussel, M. Bondi, M. Brusa, C.L. Carilli, P. Capak, S. Charlot, P. Ciliegi, O. Ilbert, Z. Ivezić, K. Jahnke, H.J. McCracken, M. Obrič, M. Salvato, D.B. Sanders, N. Scoville, J.R. Trump, C. Tremonti, L. Tasca, C.J. Walcher and G. Zamorani: A New Method to Separate Star-forming from AGN Galaxies at Intermediate Redshift: The Submillijansky Radio Population in the VLA-COSMOS Survey. *Ap. J. Supp. Ser.* 177, 14-38 (2008).
- Snekvik, K., R. Nakamura, N. Østgaard, S. Haaland and A. Retino: The Hall current system revealed as statistical significant pattern during fast flows. *Ann. Geophys.* 26, 3429-3437 (2008).
- Sparke, L.S., G. van Moorsel, P. Erwin and E.M.H. Wehner: NGC 2655: from inner polar ring to outer shells and tails. *Astron. J.* 135, 1, 99-111 (2008).
- Stefanescu, A., G. Kanbach, A. Slowikowska, J. Greiner, S. McBreen and G. Sala: Very fast optical flaring from a possible new Galactic magnetar. *Nature* 455, 503-505 (2008).
- Steffen, F.D. and M.H. Thoma: Erratum to: "Hard thermal photon production in relativistic heavy ion collisions" [*Phys. Lett. B* 510 (2001) 98]. *Phys. Lett. B* 660, 604-606 (2008).
- Steinberg, V., A.V. Ivlev, R. Kompaneets and G.E. Morfill: Shear Instability in Fluids with a Density-Dependent Viscosity. *Phys. Rev. Lett.* 100, 254502 (2008).
- Stiele, H., W. Pietsch, F. Haberl and M. Freyberg: Time variability of X-ray sources in the M 31 centre field. *Astron. Astrophys.* 480, 599-610 (2008).
- Strateva, I.V., W.N. Brandt, M. Eracleous and G. Garmire: A Chandra Look at Five of the Broadest Double-Peaked Balmer Line Emitters. *Ap. J.* 687, 869-883 (2008).
- Svenes, K.R., B. Lybekk, A. Pedersen and S. Haaland: Cluster observations of near-Earth magnetospheric lobe plasma densities - a statistical study. *Ann. Geophys.* 26, 2845-2852 (2008).
- Tacconi, L.J., R. Genzel, I. Smail, R. Neri, S.C. Chapman, R.J. Ivison, A. Blain, P. Cox, A. Omont, F. Bertoldi, T. Greve, N.M. Förster Schreiber, S. Genel, D. Lutz, A.M. Swinbank, A.E. Shapley, D.K. Erb, A. Cimatti, E. Daddi and A.J. Baker: Submillimeter Galaxies at  $z \sim 2$ : Evidence for Major Mergers and Constraints on Lifetimes, IMF, and CO-H $_2$  Conversion Factor. *Ap. J.* 680, 246-262 (2008).
- Tagliaferri, G., L. Foschini, G. Ghisellini, ..., H. Bartko, et al.: Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. *Ap. J.* 679, 1029-1039 (2008).
- Takada, T., R. Nakamura, L. Juusola, O. Amm, W. Baumjohann, M. Volwerk, A. Matsuoka, B. Klecker, K. Snekvik, C.J. Owen, A.N. Fazakerley, H.U. Frey, H. Rème, E.A. Lucek and C. Carr: Local field-aligned currents in the magnetotail and ionosphere as observed by a Cluster, Double Star, and MIRACLE conjunction. *J. Geophys. Res.* 113, 7 (2008).
- Tanaka, M., A. Finoguenov, T. Kodama, T. Morokuma, P. Rosati, S.A. Stanford, P. Eisenhardt, B. Holden and S. Mei: The environmental dependence of properties of galaxies around the RDCSJ0910+54 cluster at  $z = 1.1$ . *Astron. Astrophys.* 489, 571-581 (2008).



- Temporin, S., A. Iovino, M. Bolzonella, H. J. McCracken, M. Scodreggio, B. Garilli, D. Bottini, V. Le Brun, O. Le Fèvre, D. Maccagni, J.P. Picat, R. Scaramella, L. Tresse, G. Vettolani, A. Zanichelli, C. Adami, S. Arnouts, S. Bardelli, A. Cappi, S. Charlot, P. Ciliegi, T. Contini, O. Cucciati, S. Foucaud, P. Franzetti, I. Gavignaud, L. Guzzo, O. Ilbert, B. Marano, C. Marinoni, A. Mazure, B. Meneux, R. Merighi, S. Paltani, R. Pellò, A. Pollo, L. Pozzetti, M. Radovich, D. Vergani, G. Zamorani, E. Zucca, M. Bondi, A. Bongiorno, J. Brinchmann, S. de la Torre, F. Lamareille, Y. Mellier, and C. J. Walcher: The VIMOS VLT deep survey. The K-band follow-up in the 0226-04 field. *Astron. Astrophys.* 482, 81-95 (2008).
- Thoma, M.H. and G.E. Morfill: Ratio of viscosity to entropy density in a strongly coupled one-component plasma. *Europhys. Lett.* 82, 65001 (2008).
- Thomas, H.M., G.E. Morfill, V.E. Fortov, A.V. Ivlev, V.I. Molotkov, A.M. Lipaev, T. Hagl, H. Rothermel, S.A. Khrapak, R.K. Suetterlin, M. Rubin-Zuzic, O.F. Petrov, V.I. Tokarev and S.K. Krikalev: Complex plasma laboratory PK-3 Plus on the International Space Station. *New J. Phys.* 10, 033036 (2008).
- Trippe, S., S. Gillessen, O.E. Gerhard, H. Bartko, T.K. Fritz, H.L. Maness, F. Eisenhauer, F. Martins, T. Ott, K. Dodds-Eden and R. Genzel: Kinematics of the old stellar population at the Galactic centre. *Astron. Astrophys.* 492, 419-439 (2008).
- Ueda, Y., M.G. Watson, I.M. Stewart, M. Akiyama, A.D. Schwope, G. Lamer, J. Ebrero, F.J. Carrera, K. Sekiguchi, T. Yamada, C. Simpson, G. Hasinger and S. Mateos: The Subaru/XMM-Newton Deep Survey (SXDS). III. X-Ray Data. *Ap. J. Supp. Ser.* 179, 124-141 (2008).
- Valenti, S., N. Elias-Rosa, S. Taubenberger, V. Stanishev, I. Agnoletto, D. Sauer, E. Cappellaro, A. Pastorello, S. Benetti, A. Riffeser, U. Hopp, H. Navasardyan, D. Tsvetkov, V. Lorenzi, F. Patat, M. Turatto, R. Barbon, S. Cioi, F. Di Mille, S. Frandsen, J.P.U. Fynbo, P. Laursen and P.A. Mazzali: The Carbon-rich Type Ic SN 2007gr: The Photospheric Phase. *Ap. J. Lett.* 673, L155-L158 (2008).
- van Hemert, M.C., E.F. van Dishoeck: Photodissociation of small carbonaceous molecules of astrophysical interest. *Chemical Phys.* 343, 292-302 (2008).
- van Kempen, T.A., S.D. Doty, E.F. van Dishoeck, M.R. Hogerheijde and J.K. Jørgensen: Modeling water emission from low-mass protostellar envelopes. *Astron. Astrophys.* 487, 3, 975-991 (2008).
- Vanzella, E., S. Cristiani, M. Dickinson, M. Giavalisco, H. Kuntschner, J. Haase, M. Nonino, P. Rosati, C. Cesarsky, H.C. Ferguson, H. C.; R.A.E. Fosbury, A. Grazian, L.A. Moustakas, A. Rettura, P. Popesso, A. Renzini, D. Stern, The Goods Team: The great observatories origins deep survey. VLT/FORS2 spectroscopy in the GOODS-South field: Part III. *Astron. Astrophys.* 478, 83-92 (2008).
- Vanzi, L., G. Cresci, E. Telles and J. Melnick: Integral field near-infrared spectroscopy of II Zw 40. *Astron. Astrophys.* 486, 2, 393-403 (2008).
- Vennik, J. and U. Hopp: Photometric study of the IC 65 group of galaxies. *Astron. Astrophys.* 481, 79-92 (2008).
- Vergani, D., M. Scodreggio, L. Pozzetti, A. Iovino, P. Franzetti, B. Garilli, G. Zamorani, D. Maccagni, F. Lamareille, O. Le Fèvre, S. Charlot, T. Contini, L. Guzzo, D. Bottini, V. Le Brun, J. P. Picat, R. Scaramella, L. Tresse, G. Vettolani, A. Zanichelli, C. Adami, S. Arnouts, S. Bardelli, M. Bolzonella, A. Cappi, P. Ciliegi, S. Foucaud, I. Gavignaud, O. Ilbert, H. J. McCracken, B. Marano, C. Marinoni, A. Mazure, B. Meneux, R. Merighi, S. Paltani, R. Pellò, A. Pollo, M. Radovich, E. Zucca, M. Bondi, A. Bongiorno, J. Brinchmann, O. Cucciati, S. de la Torre, L. Gregorini, E. Perez-Montero, Y. Mellier, P. Merluzzi, and S. Temporin: The VIMOS VLT Deep Survey. Tracing the galaxy stellar mass assembly history over the last 8 Gyr. *Astron. Astrophys.* 487, 89-101 (2008).
- Vladimirov, S.V., S.A. Khrapak, M. Chaudhuri and G.E. Morfill: Superfluidlike Motion of an Absorbing Body in a Collisional Plasma. *Phys. Rev. Lett.* 100, 055002 (2008).
- Vollmer, B., T. Beckert and R. Davies: Starbursts and Torus Evolution in AGN. *Ap. J.* 491, 441-453 (2008).
- Volwerk, M., A.T.Y. Lui, M. Lester, A.P. Walsh, I. Alexeev, X. Cao, M.W. Dunlop, A.N. Fazakerley, A. Grocott, L. Kistler, X. Lun, C. Mouikis, Z. Pu, C. Shen, J.K. Shi, M.G.G.T. Taylor, W. Baumjohann, R. Nakamura, A. Runov, Z. Vörös, T.L. Zhang, T. Takada, H. Rème, B. Klecker and C.M. Carr: Magnetotail dipolarization and associated current systems observed by Cluster and Double Star. *J. Geophys. Res.* 113, 8 (2008).
- Vörös, Z., R. Nakamura, V. Sergeev, W. Baumjohann, A. Runov, T.L. Zhang, M. Volwerk, T. Takada, D. Jankovicová, E. Lucek and H. Rème: Study of reconnection-associated multiscale fluctuations with Cluster and Double Star. *J. Geophys. Res. (Space Phys.)* 113, 7 (2008).
- Voss, R. and G. Nelemans: Discovery of the progenitor of the type Ia supernova 2007on. *Nature* 451, 7180, 802-804 (2008).
- Voss, R., W. Pietsch, F. Haberl, H. Stiele, J. Greiner, G. Sala, D.H. Hartmann and D. Hatzidimitriou: Three X-ray transients in M31 observed with Swift. *Astron. Astrophys.* 489, 707-711 (2008).

- Walcher, C. J., F. Lamareille, D. Vergani, S. Arnouts, V. Buat, S. Charlot, L. Tresse, O. Le Fèvre, M. Bolzonella, J. Brinchmann, L. Pozzetti, G. Zamorani, D. Bottini, B. Garilli, V. Le Brun, D. Maccagni, B. Milliard, R. Scaramella, M. Scodeggio, G. Vettolani, A. Zanichelli, C. Adami, S. Bardelli, A. Cappi, P. Ciliegi, T. Contini, P. Franzetti, S. Foucaud, I. Gavignaud, L. Guzzo, O. Ilbert, A. Iovino, H. J. McCracken, B. Marano, C. Marinoni, A. Mazure, B. Meneux, R. Merighi, S. Paltani, R. Pellò, A. Pollo, M. Radovich, E. Zucca, C. Lonsdale, and C. Martin: The VVDS-SWIRE-GALEX-CFHTLS surveys: physical properties of galaxies at  $z$  below 1.2 from photometric data. *Astron. Astrophys.* 491, 713-730 (2008).
- Wang, L., M. Rowan-Robinson, I. Yamamura, H. Shibai, R. Savage, S. Oliver, M. Thomson, N. Rahman, D. Clements, E. Figueredo, T. Goto, S. Hasegawa, W.-S. Jeong, S. Matsuura, T.G. Müller, T. Nakagawa, C.P. Pearson, S. Serjeant, M. Shirahata and G.J. White: Timeline analysis and wavelet multiscale analysis of the AKARI All-Sky Survey at  $90\mu\text{m}$ . *Mon. Not. R. Astron. Soc.* 387, 601-615 (2008).
- Wang, X., B. Klecker and P. Wurz: Effects of Solar Magnetic Activity on the Charge States of Minor Ions of Solar Wind. *Ap. J. Lett.* 678, L145-L148 (2008).
- Watson, L.C., P. Martini, K.M. Dasra, M.C. Bentz, L. Ferrarese, B.M. Peterson, R.W. Pogge and L.J. Tacconi: First Stellar Velocity Dispersion Measurement of a Luminous Quasar Host with Gemini North Laser Guide Star Adaptive Optics. *Ap. J. Lett.* 682, L21-L24 (2008).
- Weidenspointner, G., G. Skinner, P. Jean, J. Knödseder, P. von Ballmoos, G. Bignami, R. Diehl, A.W. Strong, B. Cordier, S. Schanne and C. Winkler: An asymmetric distribution of positrons in the Galactic disk revealed by  $\gamma$ -rays. *Nature* 451, 159-162 (2008).
- Werner, N., A. Finoguenov, J.S. Kaastra, A. Simionescu, J.P. Dietrich, J. Vink and H. Böhringer: Detection of hot gas in the filament connecting the clusters of galaxies Abell 222 and Abell 223. *Astron. Astrophys.* 482, 3, L29-L33 (2008).
- Whiley, I.M., A. Aragón-Salamanca, G. De Lucia, A. von der Linden, S.P. Bamford, P. Best, M.N. Bremer, P. Jablonka, O. Johnson, B. Milvang-Jensen, S. Noll, B.M. Poggianti, G. Rudnick, R. Saglia, S. White and D. Zaritsky: The evolution of the brightest cluster galaxies since  $z \sim 1$  from the ESO Distant Cluster Survey (EDisCS). *Mon. Not. R. Astron. Soc.* 387, 1253-1263 (2008).
- Williams, B.F., T.J. Gaetz, F. Haberl, W. Pietsch, A. Shporer, P. Ghavamian, P.P. Plucinsky, T. Mazeh, M. Sasaki and T.G. Pannuti: The Chandra ACIS Survey of M33 (ChASeM33): Transient X-Ray Sources Discovered in M33. *Ap. J.* 680, 1120-1131 (2008).
- Wilman, D.J., D. Pierini, K. Tyler, S.L. McGee, A. Oemler, Jr., S.L. Morris, M.L. Balogh, R.G. Bower and J.S. Mulchaey: Unveiling the Important Role of Groups in the Evolution of Massive Galaxies: Insights from an Infrared Passive Sequence at Intermediate Redshift. *Ap. J.* 680, 1009-1021 (2008).
- Wuyts, S., I. Labbé, N.M. Förster Schreiber, M. Franx, G. Rudnick, G.B. Brammer and P.G. van Dokkum: FIREWORKS  $U_{38}$ -to- $24\mu\text{m}$  photometry of the GOODS Chandra deep field south: multiwavelength catalog and total infrared properties of distant  $K_s$ -selected galaxies. *Ap.J.* 682, 2, 985-1003 (2008).
- Yaroshenko, V.V., M.H. Thoma, H.M. Thomas and G.E. Morfill: Double layer formation at the interface of complex plasmas. *Phys. Plasmas* 15, 082104 (2008).
- Yuan, W., H.Y. Zhou, S. Komossa, X.B. Dong, T.G. Wang, H.L. Lu and J.M. Bai: A Population of Radio-Loud Narrow-Line Seyfert 1 Galaxies with Blazar-Like Properties?. *Ap. J.* 685, 801-827 (2008).
- Zane, S., R.P. Mignani, R. Turolla, A. Treves, F. Haberl, C. Motch, L. Zampieri and M. Cropper: An Optical Counterpart Candidate for the Isolated Neutron Star RBS 1774. *Ap. J.* 682, 487-491 (2008).
- Zhang, C., P. Lechner, G. Lutz, J. Treis, S. Wölfel, L. Strüder and S. Nan Zhang: Development of X-type DEPFET Macropixel detectors. *Nucl. Instrum. Methods Phys. Res. (A)* 588, 389-396 (2008).
- Zhang, S., Y.-P. Chen, W. Collmar, L. Foschini, T.-P. Li, D.F. Torres and J.-M. Wang: High-Energy Properties of PKS 1830-211. *Ap. J.* 683, 400-408 (2008).
- Zhang, Y.-Y., A. Finoguenov, H. Böhringer, J.-P. Kneib, G.P. Smith, R. Kneissl, N. Okabe and H. Dahle: LoCuSS: comparison of observed X-ray and lensing galaxy cluster scaling relations with simulations. *Astron. Astrophys.* 482, 2, 451-472 (2008).
- Zheng, C., R.W. Romani, M. Sako, J. Marriner, B. Bassett, A. Becker, C. Choi, D. Cinabro, F. De Jongh, D.L. Depoy, B. Dilday, M. Doi, J.A. Frieman, P.M. Garnavich, C.J. Hogan, J. Holtzman, M. Im, S. Jha, R. Kessler, K. Konishi, H. Lampeitl, J.L. Marshall, D. McGinnis, G. Miknaitis, R.C. Nichol, J.L. Prieto, A.G. Riess, M.W. Richmond, D.P. Schneider, M. Smith, N. Takanashi, K. Tokita, K. van der Heyden, N. Yasuda, R.J. Assef, J. Barentine, R. Bender, R.D. Blandford, M. Bremer, H. Brewington, C.A. Collins, A. Crotts, J. Dembicky, J. Eastman, A. Edge, E. Elson, M.E. Eyler, A.V. Filippenko, R.J. Foley, S. Frank, A. Goobar, M. Harvanek, U. Hopp, Y. Ihara, S. Kahn, W.

Ketzeback, S.J. Kleinman, W. Kollatschny, J. Krzesinski, G. Leloudas, D.C. Long, J. Lucey, E. Malanushenko, V. Malanushenko, R.J. McMillan, C.W. Morgan, T. Morokuma, A. Nitta, L. Ostman, K. Pan, A.K. Romer, G. Saurage, K. Schlesinger, S.A. Snedden, J. Sollerman, M. Stritzinger, L.C. Watson, S. Watters, J.C. Wheeler and D. York: First-Year Spectroscopy for the Sloan Digital Sky Survey - II Supernova Survey. *Astron. J.* 135, 1766-1784 (2008).

Zwitter, T., A. Siebert, U. Munari, K.C. Freeman, A. Siviero, F.G. Watson, J.P. Fulbright, R.F.G. Wyse, R.

Campbell, G.M. Seabroke, M. Williams, M. Steinmetz, O. Bienaymé, G. Gilmore, E.K. Grebel, A. Helmi, J.F. Navarro, B. Anguiano, C. Boeche, D. Burton, P. Cass, J. Dawe, K. Fiegert, M. Hartley, K. Russell, L. Veltz, J. Bailin, J. Binney, J. Bland-Hawthorn, A. Brown, W. Dehnen, N.W. Evans, P. Re Fiorentin, M. Fiorucci, O. Gerhard, B. Gibson, A. Kelz, K. Kujken, G. Matijević, I. Minchev, Q.A. Parker, J. Peñarrubia, A. Quillen, M.A. Read, W. Reid, S. Roeser, G. Ruchti, R.-D. Scholz, M.C. Smith, R. Sordo, E. Tolstoj, L. Tomasella, S. Vidrih and E. Wylie-de Boer: The Radial Velocity Experiment (rave): Second Data Release. *Astron. J.* 136, 421-451 (2008).

## Referierte Proceedings

Cocato, L., O. Gerhard, M. Arnaboldi, P. Das, N.G. Douglas, K. Kuijken, M.R. Merrifield, N.R. Napolitano, E. Noordermeer, A.J. Romanowsky, M. Capaccioli, A. Cortesi, F. De Lorenzi and K.C. Freeman: Probing the kinematics of early-type galaxy halos using planetary nebulae. *Astron. Nachr.* 329, 912 (2008).

Das, P.D., O., Gerhard, L. Cocato, E. Churazov, W. Forman, A. Finoguenov, H. Böhringer, M. Arnaboldi, M. Capaccioli, A. Cortesi, F. de Lorenzi, N.G. Douglas, K.C. Freeman, K. Kuijken, M.R. Merrifield, N.R. Napolitano, E. Noordermeer and A.J. Romanowsky: The orbital structure of the massive elliptical galaxy NGC 5846. In: *Proceedings of Galactic & Stellar Dynamics in the Era of High Resolution Surveys*, Strasbourg, France, March 2008. *Astron. Nachr.* Vol. 9-10, 940-943 (2008).

Davies, R.: Adaptive optics: observations and prospects for studies of active galactic nuclei. *New Astronomy Reviews* 52, 307-322 (2008).

Diehl, R., D.H. Hartmann and N. Prantzos: Preface. *New Astronomy Review* 52, 359-359 (2008).

Diehl, R., M. Lang, K. Kretschmer and W. Wang: 26Al emission throughout the Galaxy. *New Astronomy Review* 52, 440-444 (2008).

Fürmetz, M., J. Eder, P. Predehl and L. Tiedemann: eRosita Camera Low Temperature Thermal Control. In: *Proceedings of the 38th International Conference on Environmental Systems*, San Francisco, USA, June 2008. ICES Conference Proceedings (Electronically published, Conference CD) Vol. 38, SAE International, Warrendale, PA, 1-6 (2008).

García-Burillo, S., F. Combes, J. Graciá-Carpio, A. Usero, M. Gu{e}lin: Probing the feeding and feedback of activity near and far. In Proc. of „Science with ALMA: a new era for Astrophysics“, Madrid, Spain, 2006. (Ed.) R. Bachiller. *Astrophys. Space Sci.* 313, 261-265 (2008).

García-Burillo, S., F. Combes, A. Usero, J. Graciá-Carpio: High-resolution molecular line observations of active galaxies. In Proc. of „The Universe under the Microscope - Astrophysics at High Angular Resolution“, April 2008, Bad Honnef, Germany. (Eds.) R. Schoedel, A. Eckart, S. Pfalzner, E. Ros. *Journal of Physics: Conference Series* Vol. 131, IOP, 12031 (2008).

Graciá-Carpio, J., S. García-Burillo, P. Planesas: Dense molecular gas in a sample of LIRGs and ULIRGs: The low-redshift connection to the huge high-redshift starbursts and AGNs. In Proc. of „Science with ALMA: a new era for Astrophysics“, Madrid, Spain, 2006. (Ed.) R. Bachiller, *Astrophys. Space Sci.* 313, 331-335 (2008).

Monetti, R.M., J.B. Bauer, D.M. Mueller, E.R. Rummy, T.M. Link, S.M. Majumdar, M.M. Matsuura, F.E. Eckstein, I.S. Sidorenko and C.R. Raeth: Studying the effect of noise on the performance of 2D and 3D texture measures for quantifying the trabecular bone structure as obtained with high resolution MR imaging at 3 Tesla. In Proc. of „SPIE Conference on Medical Imaging“, San Diego (Eds.) R.M. Monetti et al. *Proceedings of SPIE, Medical Imaging 2008: Image Processing* Vol. 6914, J.M. Reinhardt and J.P.W. Pluim, 69144U-1-69144U-9 (2008).

Sidorenko, I.N., J. Bauer, R. Monetti, D. Mueller, E.J. Rummy, F. Eckstein and C.W. Raeth: Comparison and combination of scaling index method and Minkowski functionals in the analysis of high resolution magnetic resonance images of the distal radius in vitro. In Proc. of „Medical Imaging 2008: Image Processing“, San Diego, USA, 2008. (Eds.) M. Schöller, W.C. Danchi, F. Delplancke. *SPIE Conference Proceedings* 6914E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 69144V-69144V-9 (2008).

Takada, T., R. Nakamura, Y. Asano, W. Baumjohann, A. Runov, M. Volwerk, T.L. Zhang, Z. Vörös, K. Keika, B. Klecker, H. Rème, E.A. Lucek, C. Carr and H.U. Frey:

Plasma sheet oscillations and their relation to substorm development: Cluster and double star TC1 case study. *Adv. Space Res.* 41, 1585-1592 (2008).

Thomas, H.M., G.E. Morfill, A.V. Ivlev, T. Hagl, H. Rothermel, A. Khrapak, K.R. Suetterlin, M. Rubin-Zuzic, M. Schwabe, S.K. Zhdanov, C. Raeth, V.E. Fortov, V.I. Molotkov, A.M. Lipaev, O.F. Petrov, V.I. Tokarev, Y.I. Malenchenko, M.V. Turin, P.V. Vinogradov, F.N. Yurchikhin, S.K. Krikalev and T. Reiter: New directions of research in complex plasmas on the International Space Station. In *Proc. of „5th International Conference on the Physics of Dusty Plasmas“*, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonca, D.P. Resendes, P.K. Shukla. *Multifacets of Dusty Plasmas - AIP Conference Proceedings Vol. 1041*, AIP, Melville, New York, 41-44 (2008).

Tiedemann, L., J. Eder, M. Fürmetz and P. Predehl: Thermal Storage at -80°deg; for the eROSITA Telescope. In *Proc. of „38th International Conference on Environmental Systems“*, San Francisco, CA, USA, June 2008. *ICES Conference Proceedings (Electronically published, Conference CD) Vol. 38*, SAE International, Warrendale, PA, 1-8 (2008).

van Dishoeck, E.F., J.K. Jørgensen: Star and planet-formation with ALMA: an overview. In *Proc. of „Science with ALMA: a new era for Astrophysics“*, Madrid, Spain, 2006. (Ed.) R. Bachiller. *Astrophys. Space Sci.* 313, 15-22 (2008).

Ventimiglia, G., M. Arnaboldi and O. Gerhard: Intracluster Planetary Nebulae in the Hydra I cluster. *Astron. Nachr.* 329, 1057 (2008).

Volwerk, M., T.L. Zhang, K.H. Glassmeier, A. Runov, W. Baumjohann, A. Balogh, H. Rème, B. Klecker and C. Carr: Study of waves in the magnetotail region with cluster and DSP. *Adv. Space Res.* 41, 1593-1597 (2008).

Voss, R., R. Diehl, D.H. Hartmann and K. Kretschmer: Population synthesis models for <sup>26</sup>Al production in star-forming regions. *New Astronomy Rev.* 52, 436-439 (2008).

Weidenspointner, G., G.K. Skinner, P. Jean, J. Knödlseher, P. von Ballmoos, R. Diehl, A. Strong, B. Cordier, S. Schanne and C. Winkler: Positron astronomy with SPI/INTEGRAL. *New Astronomy Review* 52, 454-456 (2008).

Zoglauer, A., R. Andritschke, S.E. Boggs, R. Diehl, J. Greiner, D.H. Hartmann, G. Kanbach and C.B. Wunderer: Nuclear astrophysics capabilities of the GRIPS telescope. *New Astronomy Review* 52, 431-435 (2008).

Zuther, J., S. Fischer and A. Eckart: The nuclear radio structure of X-ray bright AGN. In *Proc. of „The Universe under the Microscope - Astrophysics at High Angular Resolution“*, April 2008, Bad Honnef, Germany. (Eds.) R. Schoedel, A. Eckart, S. Pfalzner, E. Ros. *Journal of Physics: Conference Series Vol. 131*, IOP, 12042-12048 (2008).

## Instrumentelle Publikationen

Abuter, R., D. Popovic, E. Pozna, J. Sahlmann and F. Eisenhauer: The VLTI real-time reflective memory data streaming and recording system. In *Proc. of „Optical and Infrared Interferometry“*, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. *SPIE Conference Proceedings 7013E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70134A-70134A-9 (2008).

Arefiev, V., M. Pavlinsky, I. Lapshov, A. Tkachenko, S. Sazonov, M. Revnivtsev, D. Swartz, M. Weisskopf, G. Hasinger, P. Predehl, S. Grigorovich, D. Litvin, N. Meidinger and L.W. Strueder: ART-XC: a medium-energy x-ray telescope system for the Spectrum-R-Gamma mission. In *Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“*, Marsseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. *SPIE Proceedings Series 7011*. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110L-1-70110L-11 (2008).

Bartko, H., O. Pfuhl, F. Eisenhauer, R. Genzel, S. Gillessen, S. Rabien, R. Abuter, G. v. Belle, F.

Delplancke, S. Menardi and J. Sahlmann: Study of the science capabilities of PRIMA in the Galactic Center. In *Proc. of „Optical and Infrared Interferometry“*, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. *SPIE Conference Proceedings 7013E*, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70134K-70134K-7 (2008).

Booth, J., M. Cropper, F. Eisenhauer, A. Refregier and DUNE collaboration: The focal plane instrumentation for the DUNE mission. In *Proc. of „Space Telescopes and Instrumentation 2008 - Optical, Infrared and Millimeter“*, Marseille, France, 2008. (Eds.) J.M. Oschmann, M.W.M. de Graauw, H.A. MacEwen. *SPIE Proceedings Series 7010*. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70101D-1-70101D-8 (2008).

Busoni, L., S. Esposito, S. Rabien, M. Haug, J. Ziegler and G. Hölzl: Wavefront sensor for the Large Binocular Telescope laser guide star facility. In *Proc. of „Adaptive Optics Systems“*, Marseille, France, 2008. (Eds.) N. Hubin, C.E. Max, P.L. Wizinowich. *SPIE Conference Proceedings 7015E*, SPIE - The International Society



- for Optical Engineering, Bellingham, WA USA, 701556-701556-11 (2008).
- Collon, M.J., R. Guenther, M. Ackermann, E.J. Buis, G. Vacanti, M.W. Beijersbergen, M. Bavdaz, K. Wallace, M. Freyberg and M. Krumrey: Performance of silicon pore optics. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70111E-1-70111E-9 (2008).
- Cotroneo, V., D. Spiga, R. Bruni, W. Burkert, M. Freyberg, G. Hartner, G. Pareschi and S. Romaine: New developments in light material overcoating for soft X-ray reflectivity enhancement. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 701119-1-701119-10 (2008).
- de Korte, P.A.J., L. Strueder, D. Barret, R. Bellazzini, L. Duband, D. Martin, A. Parmar, L. Piro, T. Takahashi and D. Willingale: The XEUS focal plane instruments. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110A-1-70110A-13 (2008).
- den Herder, J.W., R. Kelley, D. McCammon, K. Mitsuda, H. Aarts, C. van Baren, M. Buntov, E. Churazov, E. Costantini, J. Cottam, L. Dubbeldam, Y. Ezoe, P. Friedrich, R. Fujimoto, M. Gilfanov, Y. Ishisaki, J. Kaastra, C. Kilbourne, K. Kuntz, R. Mushotzky, M. Murakami, T. Nakagawa, T. Ohashi, M. Pavlinsky, R. Petre, F. Scott Porter, P. Predehl, Y. Sato, N. Semena, K. Shinozaki, R. Smith, S. Snowden, R. Sunyaev, H. Sugita, Y. Takei, A. Tkachenko, J. Vink, C.P. de Vries, N. White, N. Yamasaki and F. Zwart: The Spektr-RG X-ray calorimeter. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110K-1-70110K-11 (2008).
- Eisenhauer, F., G. Perrin, W. Brandner, C. Straubmeier, A. Richichi, S. Gillessen, J.P. Berger, S. Hippler, A. Eckart, M. Schöller, S. Rabien, F. Cassaing, R. Lenzen, M. Thiel, Y. Clénet, J.R. Ramos, S. Kellner, P. Fédou, H. Baumeister, R. Hofmann, E. Gendron, A. Boehm, H. Bartko, X. Haubois, R. Klein, K. Dodds-Eden, K. Houairi, F. Hormuth, A. Gräter, L. Jocou, V. Naranjo, R. Genzel, P. Kervella, T. Henning, N. Hamaus, S. Lacour, U. Neumann, M. Haug, F. Malbet, W. Laun, J. Kolmeder, T. Paumard, R.-R. Rohloff, O. Pfuhl, K. Perraut, J. Ziegler, D. Rouan and G. Rousset: GRAVITY: getting to the event horizon of Sgr A\*. In Proc. of „Optical and Infrared Interferometry“, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. SPIE Conference Proceedings 7013E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70132A-70132A-13 (2008).
- Fabircius, M.H., S. Barnes, R. Bender, N. Drory, F. Grupp, G.J. Hill, U. Hopp and P.J. MacQueen: VIRUS-W: an integral field unit spectrograph dedicated to the study of spiral galaxy bulges. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 701473-701473-10 (2008).
- Freyberg, M.J., B. Budau, W. Burkert, P. Friedrich, G. Hartner, K. Misaki and M. Muehlegger: New technology and techniques for x-ray mirror calibration at PANTER. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marsseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 701117-1-701117-12 (2008).
- Friedrich, P., H. Braeuninger, B. Budau, W. Burkert, J. Eder, M.J. Freyberg, G. Hartner, M. Muehlegger, P. Predehl, M. Erhard, S. Gutruf, D. Jugler, D. Kampf, G. Borghi, O. Citterio, M. Rossi, G. Valsecchi, D. Vernani and M. Zimmermann: Design and development of the eROSITA x-ray mirrors. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marsseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70112T-1-70112T-8 (2008).
- Fuermetz, M., E. Pfeffermann, P. Predehl, C. Rohe and L. Tiedemann: The cooling concept of the x-ray telescope eROSITA. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marsseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70113Y-1-70113Y-12 (2008).
- Gál, C., F. Müller-Sánchez, A. Krabbe, F. Eisenhauer, C. Iserlohe, M. Haug and T.M. Herbst: LIINUS: a design study for interferometric imaging spectroscopy at the LBT. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings



7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70147E-70147E-12 (2008).

Galvin, A.B., L.M. Kistler, M.A. Popecki, C.J. Farrugia, K.D.C. Simunac, L. Ellis, E. Möbius, M.A. Lee, M. Boehm, J. Carroll, A. Crawshaw, M. Conti, P. Demaine, S. Ellis, J.A. Gaidos, J. Googins, M. Granoff, A. Gustafson, D. Heirtzler, B. King, U. Knauss, J. Levasseur, S. Longworth, K. Singer, S. Turco, P. Vachon, M. Vosbury, M. Widholm, L.M. Blush, R. Karrer, P. Bochslers, H. Daoudi, A. Etter, J. Fischer, J. Jost, A. Opitz, M. Sigrist, P. Wurzel, B. Klecker, M. Ertl, E. Seidenschwang, R.F. Wimmer-Schweingruber, M. Koeten, B. Thompson and D. Steinfeld: The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories. *Space Sci. Rev.* 136, 437-486 (2008).

Grupp, F., F. Lang, R. Bender, C. Gössl and U. Hopp: A multi-instrument focal station for a 2m-class robotic telescope. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70147M-70147M-8 (2008).

Günster, S., D. Ristau, J. Greiner and C. Tafelmaier: Comparison of measured and calculated performance of a 7-channel astronomical instrument. In Proc. of „Advances in Optical Thin Films III“, Glasgow, UK, 2008. (Eds.) N. Kaiser, M. Lequime, H.A. Macleod. SPIE Conference Proceedings 7101E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 71011V-71011V-11 (2008).

Hartmann, R., S. Deires, M. Downing, H. Gorke, S. Herrmann, S. Ihle, G. Kanbach, J. Papamastorakis, H. Soltau, A. Stefanescu and L. Strüder: Results of a pnCCD detector system for high-speed optical imaging. In Proc. of „Adaptive Optics Systems“, Marseille, France, 2008. (Eds.) N. Hubin, C.E. Max, P.L. Wizinowich. SPIE Conference Proceedings 7015E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70155C-70155C-11 (2008).

Hill, G.J., P.J. MacQueen, M.P. Smith, J.R. Tufts, M.M. Roth, A. Kelz, J.J. Adams, N. Drory, F. Grupp, S.I. Barnes, G.A. Blanc, J.D. Murphy, W. Altmann, G.L. Wesley, P.R. Segura, J.M. Good, J.A. Booth, S.-M. Bauer, E. Popow, J.A. Goertz, R.D. Edmonston and C.P. Wilkinson: Design, construction, and performance of VIRUS-P: the prototype of a highly replicated integral-field spectrograph for HET. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. Proceedings of SPIE 7014. Society

of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 701470-1-701470-15 (2008).

Hippler, S., W. Brandner, Y. Clénet, F. Hormuth, E. Gendron, T. Henning, R. Klein, R. Lenzen, D. Meschke, V. Naranjo, U. Neumann, J.R. Ramos, R.-R. Rohloff and F. Eisenhauer: Near-infrared wavefront sensing for the VLT interferometer. In Proc. of „Adaptive Optics Systems“, Marseille, France, 2008. (Eds.) N. Hubin, C.E. Max, P.L. Wizinowich. SPIE Conference Proceedings 7015E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 701555-701555-11 (2008).

Hopp, U., R. Bender, C. Goessl, W. Mitsch, H. Barwig, A. Riffeser, F. Lang, S. Wilke, C. Ries, F. Grupp and H. Relke: Improving the Wendelstein Observatory for a 2m-class telescope. In Proc. of „Observatory Operations: Strategies, Processes, and Systems II“, Marseille, France, 2008. (Eds.) R.J. Brissenden, D.R. Silva. SPIE Conference Proceedings 7016E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70161T-70161T-9 (2008).

Houairi, K., F. Cassaing, G. Perrin, F. Eisenhauer, W. Brandner, C. Straubmeier and S. Gillessen: Fringe tracking optimization with 4 beams: application to GRAVITY. In Proc. of „Optical and Infrared Interferometry“, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. SPIE Conference Proceedings 7013E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70131B-70131B-12 (2008).

Mandel, H., W. Seifert, R. Hofmann, M. Jütte, R. Lenzen, N. Ageorges, D. Bomans, P. Buschkamp, R.-J. Dettmar, C. Feiz, H. Gemperlein, A. Germeroth, L. Geuer, J. Heidt, V. Knierim, W. Laun, M. Lehmitz, U. Mall, P. Müller, V. Naranjo, K. Polsterer, A. Quirrenbach, L. Schäffner, F. Schwind, P. Weiser and H. Weisz: LUCIFER status report: summer 2008. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70143S-70143S-9 (2008).

Meidinger, N., R. Andritschke, J. Elbs, O. Haelker, R. Hartmann, G. Hasinger, S. Herrmann, P. Holl, N. Kimmel, S. Mueller, P. Predehl, G. Schaechner, H. Soltau, L. Strueder and L. Tiedemann: eROSITA camera design and first performance measurements with CCDs. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110J-1-70110J-12 (2008).

- Misaki, K., M.J. Freyberg, P. Friedrich, W. Burkert, G. Hartner and B. Budau: X-ray characterization of eROSITA mirror shells using out-of-focus images. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA 70112Z-1-70112Z-12 (2008).
- Müller Sánchez, F., C. Gál, F. Eisenhauer, A. Krabbe, M. Haug, C. Iserlohe and T.M. Herbst: LIINUS/SERPIL: a design study for interferometric imaging spectroscopy at the LBT. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 701425-701425-12 (2008).
- Müller Sánchez, F., F. Eisenhauer, M. Haug, C. Gál, A. Krabbe and T.M. Herbst: Coupling LBT's double pupil into optical fibers. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70144I-70144I-12 (2008).
- Pareschi, G., P. Attinà, S. Basso, G. Borghi, W. Burkert, R. Buzzi, O. Citterio, M. Civitani, P. Conconi, V. Cotroneo, G. Cusumano, E. Dell'Orto, M. Freyberg, G.D. Hartner, P. Gorenstein, E. Mattaini, F. Mazzoleni, G. Parodi, S. Romaine, D. Spiga, G. Tagliaferri, R. Valtolina, G. Valsecchi and D. Vernani: Design and development of the SIMBOL-X hard X-ray optics. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110N-1-70110N-12 (2008).
- Pavlinisky, M., R. Sunyaev, E. Churazov, M. Gilfanov, A. Vikhlinin, G. Hasinger, P. Predehl, K. Mitsuda, R. Kelley, D. McCammon, T. Ohashi, J.W. den Herder, B. Ramsey, M. Gubarev, S. O'Dell and R. Fujimoto: Spectrum-Roentgen-Gamma astrophysical mission. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70110H-1-70110H-14 (2008).
- Plucinsky, P.P., F. Haberl, D. Dewey, A.P. Beardmore, J.M. De Pasquale, O. Godet, V. Grinberg, E.D. Miller, A.M.T. Pollock, S. Sembay and R.K. Smith: The SMC SNR 1E0102.2-7219 as a calibration standard for X-ray astronomy in the 0.3-2.5 keV bandpass. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70112E-1-70112E-16 (2008).
- Poglitsch, A., C. Waelkens, O.H. Bauer, J. Cepa, H. Feuchtgruber, T. Henning, C. van Hoof, F. Kerschbaum, O. Krause, E. Renotte, L. Rodriguez, P. Saraceno and B. Vandenbussche: The Photodetector Array Camera and Spectrometer (PACS) for the Herschel space observatory. In Proc. of „Space Telescopes and Instrumentation 2008 - Optical, Infrared and Millimeter“, Marseille, France, 2008. (Eds.) J.M. Oschmann, M.W.M. de Graauw, H.A. MacEwen. SPIE Proceedings Series 7010. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 701005-1-701005-12 (2008).
- Rabien, S., N. Ageorges, R. Angel, G. Brusa, J. Brynnel, L. Busoni, R. Davies, M. Deysenroth, S. Esposito, W. Gässler, R. Genzel, R. Green, M. Haug, M. LloydHart, G. Hölzl, E. Masciadri, R. Pogge, A. Quirrenbach, M. Rademacher, H.W. Rix, P. Salinari, C. Schwab, T. Stalcup, Jr., J. Storm, L. Strüder, M. Thiel, G. Weigelt and J. Ziegleder: The laser guide star program for the LBT. In Proc. of „Adaptive Optics Systems“, Marseille, France, 2008. (Eds.) N. Hubin, C.E. Max, P.L. Wizinowich. SPIE Conference Proceedings 7015E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 701515-701515-12 (2008).
- Rabien, S., S. Gillessen, J. Ziegleder, M. Thiel, A. Gräter, M. Haug, F. Eisenhauer, G. Perrin, W. Brandner and C. Straubmeier: Fringe detection laser metrology for differential astrometric stellar interferometers. In Proc. of „Optical and Infrared Interferometry“, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. SPIE Conference Proceedings 7013E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70130I-70130I-12 (2008).
- Sahlmann, J., R. Abuter, N. Di Lieto, S. Ménardi, F. Delplancke, H. Bartko, F. Eisenhauer, S. Lévêque, O. Pfuhl, N. Schuhler, G. van Belle and G. Vasisht: Results from the VLTI-PRIMA fringe tracking testbed. In Proc. of „Optical and Infrared Interferometry“, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. SPIE Conference Proceedings 7013E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70131A-70131A-12 (2008).
- San Juan, J.L., J. Serrano, J.M. Mas-Hesse, J. Treis, C. Whitford, T. Stevenson, E. Pedrosa, J. Moreno and G. Peso: MIXS focal plane assembly. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to

Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70112S-1-70112S-11 (2008).

Schweitzer, M., A. Poglitsch, W. Raab, R. Klein, R. Hönle, N. Geis, R. Genzel, L.W. Looney, M. Hamidouche and T.K. Henning: Verification of the optical system performance of FIFI-LS: the field-imaging far-infrared line spectrometer for SOFIA. In Proc. of „Ground-based and Airborne Instrumentation for Astronomy II“, Marseille, France, 2008. (Eds.) I.S. McLean, M.M. Casali. SPIE Conference Proceedings 7014E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 70140Z-70140Z-10 (2008).

Straubmeier, C., F. Eisenhauer, G. Perrin, W. Brandner and A. Eckart: Opto-mechanical design of the spectrometers of GRAVITY: the 6-Baseline K-Band Interferometer for the VLTI. In Proc. of „Optical and Infrared Interferometry“, Marseille, France, 2008. (Eds.) J.M. Reinhardt, J.P.W. Pluim. SPIE Conference Proceedings 7013E, SPIE - The International Society for Optical Engineering, Bellingham, WA USA, 701331-701331-9 (2008).

Swinyard, B., T. Nakagawa, H. Matsuhara, D. Griffin, M. Ferlet, P. Eccleston, A. di Giorgio, J. Baselmans, J. Goicoechea, K. Isaak, P. Mauskopf, L. Rodriguez, F. Pinsard, W. Raab, L. Duband, N. Luchier, N. Rando, A. Heras, T. Jagemann, N. Geis and S. Vives: The European contribution to the SPICA mission. In Proc. of „Space Telescopes and Instrumentation 2008 - Optical, Infrared and Millimeter“, Marseille, France, 2008. (Eds.) J.M. Oschmann, M.W.M. de Graauw, H.A. MacEwen. SPIE Proceedings Series 7010. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70100I-1-70100I-8 (2008).

Treis, J., O. Hälker, L. Andricek, S. Herrmann, K. Heinzinger, T. Lauf, P. Lechner, G. Lutz, J.M. Mas-Hesse, M. Porro, R.H. Richter, J. L. San Juan, G. Schaller, M. Schnecke, F. Schopper, G. Segneri, H. Soltau, T. Stevenson, L. Strüder, C. Whitford: DEPFET based X-ray Detectors for the MIXS Focal Plane on BepiColombo. In Proc. of „High Energy, Optical, and Infrared Detectors for Astronomy III“, Marseille, France, 2008. (Eds.) D.A. Dorn, A.D. Holland. SPIE Vol. 7021, 70210Z-70210Z-12 (2008).

Vongehr, M., P. Friedrich, P. Predehl and H. Braeuninger: Development of slumped glass mirror segments for large X-ray telescopes. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 701115-1-701115-7 (2008).

Zhang, C., P. Lechner, G. Lutz, J. Treis, S. Woelfel, L. Strueder and S.N. Zhang: Development of X-type DEPFET macropixel detectors. In: Nuclear Instruments and Methods in Physics Research Section A - Accelerators Spectrometers Detectors and Associated Equipment 588, 3, 389-396 (2008).

Zoglauer, A., R. Andritschke, S.E. Boggs, F. Schopper, G. Weidenspointner and C.B. Wunderer: MEGAlib: simulation and data analysis for low-to-medium-energy gamma-ray telescopes. In Proc. of „Space Telescopes and Instrumentation 2008 - Ultraviolet to Gamma Ray“, Marseille, France, 2008. (Eds.) M.J.L. Turner, K.A. Flanagan. SPIE Proceedings Series 7011. Society of Photo-Optical Instrumentation Engineers, Bellingham, Wash., USA, 70113F-1-70113F-10 (2008).

## Nicht-referierte Publikationen

Abe, M., K. Kawakami, S. Hasegawa, D. Kuroda, M. Yoshikawa, T. Kasuga, K. Kitazato, Y. Sarugaku, D. Kinoshita, S. Miyasaka, S. Urakawa, S. Okumura, Y. Takagi, N. Takato, T. Fujiyoshi, H. Terada, T. Wada, Y. Ita, F. Vilas, P.R. Weissman, Y.-J. Choi, S. Larson, S.J. Bus, A. Tokunaga and T.G. Müller: Ground-based Observational Campaign for 162173 1999JU3, the Target Asteroid of Sample Return Mission, Hayabusa-2. Lunar Planetary Institute Contrib. 1405, 8069 (2008).

Aladro, R., L. Gutiérrez, P. Erwin and J.E. Beckman: Classification of galaxies by their radial profiles: unbarred early types. In Proc. of „Pathways through an Eclectic Universe“, (Eds.) J.H. Knapen, T.J. Mahoney, A. Vazdekis. ASP Conference Series 390. Astronomical Society of the

Pacific, San Francisco, CA, USA, 288-289 (2008).

Andritschke, R., G. Hartner, R. Hartmann, N. Meidinger and L. Strüder: Data Analysis for Characterizing pnCCDs. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, 2166-2172 (2008).

Annaratone, B.M., A.G. Khrapak and G.E. Morfill: Peculiar properties of rodlike particles levitating in the sheath of an rf plasma. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041,

- American Institute of Physics, Melville, NY USA, 255-256 (2008).
- Annaratone, B.M., T. Antonova, C. Arnas, Y. Elskens and G. Morfill: Agglomeration of Dust. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 91-94 (2008).
- Antonova, T., B.M. Annaratone, H.M. Thomas and G.E. Morfill: 3D Plasma Clusters: Analysis of dynamical evolution and individual particle interaction. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Azores, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY, 09-12 (2008).
- Aschenbach, B.: Unification of geometric and diffractive scattering from random rough surfaces. SPIE 7065, 70650E-1-70650E-7 (2008).
- Bartko, H., F. Eisenhauer, T. Fritz, R. Genzel, S. Gillessen, F. Martins, T. Ott, T. Paumard, O. Pfuhl and S. Trippe: Young stars in the galactic center: one or two disks?. Journal of Physics Conf. Ser. 131, 012010 (2008).
- Bauer, M., W. Pietsch, G. Trinchieri, D. Breitschwerdt, M. Ehle, M.J. Freyberg and A. Read: The diffuse X-ray emission in the starburst galaxy NGC 253. In Proc. of „X-rays from nearby Galaxies“, Madrid, Spain, 2007. (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 79-80 (2008).
- Bazzi, M., G. Beer, L. Bombelli, A.M. Bragadireanu, M. Cargnelli, M. Catitti, C. Curceanu, C. Fiorini, T. Frizzi, F. Ghio, B. Girolami, C. Guaraldo, M. Iliescu, I. Ishiwatari, P. Hienle, P. Lechner, J. Marton, K. Nikolics, P. Levi Sandri, A. Longoni, V. Lucherini, D. Pietreanu, T. Ponta, D. L. Sirghi, F. Sirghi, H. Soltau, L. Strüder, O. Vazquez Doce, E. Widmann, J. Zmeskal: New precision measurements of the strong interaction in kaonic hydrogen. Few-Body Systems 44, 79-82 (2008).
- Becker, W., F. Haberl and J. Trümper: Pulsars and isolated neutron stars. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 183-216.
- Beckman, J.E., P. Erwin, M. Pohlen, L. Gutierrez, R. Aladro and I. Trujillo: The external zones of spiral galaxies: truncations, no truncations and antitruncations. In Proc. of „Mapping the Galaxy and Nearby Galaxies“, (Eds.) K. Wada, F. Combes. Astrophysics and Space Science Proceedings. Springer, New York (2008).
- Bhattacharya, B., T.G. Mueller and M. Kaasalainen: Surface Property and Shape Models Derived from Spitzer Asteroid Light Curves. Lunar Planetary Institute Contrib. 1405, 8311 (2008).
- Böhringer, H.: X-ray studies of clusters of galaxies. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 395-434.
- Boller, T.: Active galactic nuclei. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 373-393.
- Bombelli, L., C. Fiorini, A. Ricca, M. Porro, S. Herrmann, A. Wassatsch and J. Treis: Fast DEPFET Read-Out for the SIMBOL-X Low Energy Detector. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, 1772-1777 (2008).
- Bongiorno, A., M. Mignoli, G. Zamorani, F. Lamareille and T. Contini: Optically selected type-2 AGN: preliminary results from the COSMOS survey. In Proc. of „The Central Kiloparsec: Active Galactic Nuclei and their Hosts“. Mem. d. Soc. Astron. Ital., 79, 1267 (2008).
- Breitschwerdt, D., M. Freyberg and P. Predehl: The interstellar medium. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 311-331.
- Brusa, M.: The evolution of AGN from large and deep X-ray surveys. In Proc. of „8th National Conference on AGN“, Torino, Italy, 2008. (Eds.) L. Lanteri, C.M. Raiteri, A. Capetti, P. Rossi. Proceedings of the 8th National Conference on AGN confE, electronically, 1 (2008).
- Chaudhuri, M., S.A. Khrapak and G.E. Morfill: Ion drag force on an absorbing grain in highly collisional plasma in the presence of plasma production and loss processes. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 179-180 (2008).
- Chipaux, R., U. Briel, A. Bulgarelli, L. Foschini, E. Kendziorra, C. Kloke, M. Kuster, P. Laurent and C. Tenzer: Status of the Simbol-X detector background simulation activities. Mem. d. Soc. Astron. Ital. 79, 234 (2008).
- Churazov, E., S. Sazonov, R. Sunyaev, W. Forman, C. Jones and H. Böhringer: Supermassive Black Holes in Elliptical Galaxies: Switching from Very Bright to Very Dim. In Proc. of „Relativistic Astrophysics and Cosmology - Einstein's Legacy“, Munich, Germany, 2005. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut.



- Relativistic Astrophysics and Cosmology - Einstein's Legacy, 295 (2008).
- Dannerbauer, H., D. Rigopoulou, D. Lutz, R. Genzel, E. Sturm and A.F.M. Moorwood: Follow-up NIR Spectroscopy of ULIRGs observed by ISO. In Proc. of „Infrared Diagnostics of Galaxy Evolution“, Pasadena, USA, 2005. (Eds.) R. R. Chary, H.I. Teplitz, K. Sheth. ASP Conf. Ser. 381, Astronomical Society of the Pacific, San Francisco, CA USA, 275 (2008).
- Davies, R., R. Genzel, L. Tacconi, F.M. Sánchez and A. Sternberg: Star Formation and Molecular Gas in AGN. In Proc. of „Mapping the Galaxy and Nearby Galaxies“, Ishigaki Island, Japan, 2006. (Eds.) K. Wada, F. Combes. Mapping the Galaxy and Nearby Galaxies, 144 (2008).
- Davies, R.: AO assisted spectroscopy with SINFONI: PSF, background and interpolation. In: The 2007 ESO Instrument Calibration Workshop: Proceedings of the ESO Workshop, (Eds.) A. Kaufer, F. Kerber. ESO Astrophysics Symposia. Springer, Berlin, Germany, 249-258 (2008).
- de Martino, D., G. Matt, K. Mukai, J.-M. Bonnet-Bidaud, M. Falanga, F. Haberl, B.T. Gaensicke, M. Mouchet and N. Masetti: Broad-band X-ray properties of magnetic cataclysmic variables. Mem. d. Soc. Astron. Ital. 79, 246-247 (2008).
- de Vita, G., M. Porro, S. Herrmann, A. Wassatsch, G. Lutz, L. Strüder, J. Treis, C. Fiorini and L. Bombelli: Integrated Front-End Readout Electronics and Analog Filtering Strategies for DEPFETs with Special Functionalities. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, 2940-2945 (2008).
- Dennerl, K.: Solar system objects. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 85-96.
- Eckart, A., J.-U. Pott, A. Glindemann, T. Viehmann, R. Schödel, C. Straubmeier, C. Leinert, M. Feldt, R. Genzel and M. Robberto: IRS 3 - The Brightest Compact MIR Source in the Galactic Center. In Proc. of „The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation“, Garching, Germany, 2005. (Eds.) F. Paresce, A. Richichi. The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation, Springer, Berlin/Heidelberg, Germany, 307 (2008).
- Eisenhauer, F., G. Perrin, C. Straubmeier, W. Brandner, A. Boehm, F. Cassaing, Y. Clenet, K. Dodds-Eden, A. Eckart, P. Fedou, E. Gendron, R. Genzel, S. Gillessen, A. Graeter, C. Gueriau, N. Hamaus, X. Haubois, M. Haug, T. Henning, S. Hippler, R. Hofmann, F. Hormuth, K. Houairi, S. Kellner, P. Kervella, R. Klein, J. Kolmeder, W. Laun, P. Lena, R. Lenzen, M. Marteau, D. Meschke, V. Naranjo, U. Neumann, T. Paumard, M. Perger, D. Perret, S. Rabien, J.R. Ramos, J.M. Reess, R.R. Rohloff, D. Rouan, G. Rousset, B. Ruyet, M. Schropp, B. Talureau, M. Thiel, J. Ziegler and D. Ziegler: GRAVITY: microarcsecond astrometry and deep interferometric imaging with the VLTI. In Proc. of „A Giant Step: from Milli- to Micro - arcsecond Astrometry“, Cambridge University Press, Cambridge, UK, (Eds.) W.J. Jin, I. Platais, M.A.C. Perryman. Proc. IAU 248, Vol. 3, 100-101 (2008).
- Eisenhauer, F., G. Perrin, S. Rabien, A. Eckart, P. Léyna, R. Genzel, R. Abuter, T. Paumard and W. Brandner: GRAVITY: The AO-Assisted, Two-Object Beam-Combiner Instrument for the VLTI. In Proc. of „The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation“, Garching, Germany, 2005. (Eds.) F. Paresce, A. Richichi. Springer, Berlin/Heidelberg, Germany, 431 (2008).
- Erwin, P., M. Pohlen, J.E. Beckman, L. Gutiérrez and R. Aladro: The outer structure of galactic disks: connections between bars, disks and environments. In Proc. of „Pathways Through an Eclectic Universe“, Santiago del Teide, Spain, 2007. (Eds.) J.H. Knapen, T.J. Mahoney, A. Vazdekis. ASP Conference Series 390. Astronomical Society of the Pacific, San Francisco, CA, USA, 251-254 (2008).
- Fabircius, M.H., R. Bender, N. Drory, F. Grupp, G.J. Hill and U. Hopp: VIRUS-W A fiber based integral field unit spectrograph for the study of galaxy bulges. In Proc. of „Formation and Evolution of Galactic Bulges“, 245th IAU Symposium. (Eds.) M. Bureau, E. Athanassoula, B. Barbuy. Proc. IAU 245, Cambridge University Press, Oxford, UK, 417-418 (2008).
- Fassbender, R., H. Böhringer, J. Santos, G. Lamer, C. Mullis, P. Schuecker, A. Schwobe and P. Rosati: The XMM-Newton Distant Cluster Project. In Proc. of „Relativistic Astrophysics and Cosmology - Einstein's Legacy“, Munich, Germany, 2005. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. Relativistic Astrophysics and Cosmology - Einstein's Legacy, 307 (2008).
- Ferrando, P., M. Arnaud, U. Briel, E. Cavazutti, R. Clédassou, J.L. Counil, F. Fiore, P. Giommi, A. Goldwurm, O. Lamarle, P. Laurent, F. Lebrun, G. Malaguti, S. Mereghetti, G. Micela, G. Pareschi, M. Piermaria, J.P. Roques and G. Tagliaferri: The Simbol-X mission. Mem. d. Soc. Astron. Ital. 79, 19 (2008).



- Ferrero, P., D.A. Kann, S. Klose, J. Greiner, E.S. Rykoff, H. Mikuz, B. Dintinjana, J. Skvarč, D. Malesani, S. Schulze, R. Filgas and A. Rossi: A rapid response to GRB 070411. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 257-260 (2008).
- Fiore, F., M. Arnaud, U. Briel, M. Cappi, A. Comastri, A. Decourchelle, R. Della Ceca, P. Ferrando, C. Feruglio, R. Gilli, P. Giommi, A. Goldwurm, P. Laurent, F. Lebrun, G. Malaguti, S. Mereghetti, G. Micela, G. Pareschi, E. Piconcelli, S. Puccetti, J.P. Roques, G. Tagliaferri and C. Vignali: Science with Simbol-X. Mem. d. Soc. Astron. Ital. 79, 38 (2008).
- Frederiks, D., R. Aptekar, T. Cline, J. Goldsten, S. Golenetskii, K. Hurley, V. Ilinskii, A. von Kienlin, E. Mazets and V. Palshin: GRB 051103 and GRB 070201 as Giant Flares from SGRs in Nearby Galaxies. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 271-275 (2008).
- Friedrich, P.: Wolter optics. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 41-50.
- Gaibler, V., M. Camenzind and M.G.H. Krause: Large-scale Propagation of Very Light Jets in Galaxy Clusters. In Proc. of „Proceedings of Extragalactic Jets: Theory and Observation from Radio to Gamma Ray“, Girdwood, USA, 2007. (Eds.) T.A. Rector, D.S. De Young. ASP Conference Series Vol. 386, Astronomical Society of the Pacific, San Francisco, 32-38 (2008).
- Genzel, R. and L.J. Tacconi: Dynamics of High-z Galaxies. In Proc. of „Mapping the Galaxy and Nearby Galaxies“, Ishigaki Island, Japan, 2006. (Eds.) K. Wada, F. Combes. Mapping the Galaxy and Nearby Galaxies, 277 (2008).
- Ghosh, P. and W. Becker: Rotation and Accretion Powered Pulsars. Phys. Today 61, 100000 (2008).
- Gillessen, S., R. Genzel, F. Eisenhauer, T. Ott, S. Trippe and F. Martins: 15 years of high precision astrometry in the Galactic Center. In Proc. of „A Giant Step: from Milli- to Micro-arcsecond Astrometry“, Cambridge University Press, Cambridge, UK, (Eds.) W.J. Jin, I. Platais, M.A.C. Perryman. Proc. IAU 248, Vol. 3, 466-469 (2008).
- Gillessen, S.: Sgr A\* in the Near Infrared . 2007 and 2012. Mem. d. Soc. Astron. Ital. 79, 87 (2008).
- Gillessen, S.: The black hole at the Galactic Center. In Proc. of „Observational Evidence for Black Holes in the Universe“, Kolkata, India 2008. (Eds.) S. Chakrabarti, S.M. Archan. AIP. Conf. Proc. 1053, American Institute of Physics, Melville, NY USA, 71-78 (2008).
- Greiner, J.: Gamma-ray bursts. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 435-455.
- Greiner, J.: GRIPS - Gamma-Ray burst Investigation via Polarimetry and Spectroscopy. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 620-623 (2008).
- Griffin, M., T. de Graauw, G. Pilbratt and A. Poglitsch: Herschel and Beyond: FIR and Submillimetre Space Missions and Possible Synergies with Antarctic Astronomy. In Proc. of „2nd ARENA Conference: The Astrophysical Science Cases at Dome C“, Potsdam, Germany, 2007. (Eds.) H. Zinnecker, N. Epchtein, H. Rauer. EAS Publ. Ser. 33, European Astronomical Society, 63-70 (2008).
- Haberl, F. and W. Pietsch: X-ray source populations in the Magellanic Clouds. In Proc. of „X-rays from nearby Galaxies“, Madrid, Spain, 2007. (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 32-37 (2008).
- Hasinger, G.: Cosmic X-ray background. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 457-475.
- Hasinger, G.: The future. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 477-483.
- Haubois, X., R. Genzel, G. Perrin, S. Gillessen, T. Paumard, K. Dodds-Eden, Y. Clénet and D. Rouan: The Galactic Center large program. In Proc. of „Observational Evidence for Black Holes in the Universe“, Kolkata, India 2008. (Eds.) S. Chakrabarti, S.M. Archan. AIP. Conf. Proc. 1053, American Institute of Physics, Melville, NY USA, 91-94 (2008).
- Herrmann, S., W. Buttler, R. Hartmann, N. Meidinger, M. Porro and L. Strüder: CAMEX Readout ASICs for pnCCDs. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, 2952-2957 (2008).
- Hofmann, P., R. Seurig, A. Stettner, J. Burfeindt, G. Morfill, H. Thomas, M. Thoma, H. Hofner, W. Fortov, W. Molotkov, O. Petrov and A. Lipaev: Complex plasma research on ISS: PK-3 plus, PK-4 and impact/plasmlab.

Acta Astronautica 63, 53-60 (2008).

Holl, P., R. Hartmann, S. Ihle, G. Kanbach, G. Lutz, I. Ordavo, H. Soltau, A. Stefanescu and L. Strüder: pnCCDs for Ultra-Fast and Ultra-Sensitive Optical and NIR Imaging. In Proc. of „The Universe at Sub-Second Timescales“, Galway, Ireland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. AIP. Conf. Proc. 984, American Institute of Physics, Melville, NY USA, 115-123 (2008).

Hoover, A.S., R.M. Kippen, M.S. Wallace, G.N. Pendleton, G.J. Fishman, C.A. Meegan, C. Kouveliotou, C.A. Wilson-Hodge, E. Bissaldi, R. Diehl, J. Greiner, G.G. Lichti, A.V. Kienlin, H. Steinle, P.N. Bhat, M.S. Briggs, V. Connaughton, W.S. Paciesas and R.D. Preece: GLAST Burst Monitor Instrument Simulation and Modeling. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 565-568 (2008).

Ihle, S., R. Hartmann, M. Downing, L. Strüder, S. Deiries, H. Gorke, S. Herrmann, G. Kanbach, J. Papamastourakis, H. Soltau and A. Stefanescu: Optical Test Results of Fast pnCCDs. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, 1-2 (2008).

Ivlev, A.V., G.E. Morfill, V. Nosenko, R. Pompl, M. Rubin-Zuzic and H.M. Thomas: Fluid Complex Plasmas-Studies at the Particle Level. In Proc. of „Complex Systems: 5th International Workshop on Complex Systems“, Sendai, Japan 2007. (Eds.) M. Tokuyama, I. Oppenheim, H. Nishiyama. AIP. Conf. Proc. 982, American Institute of Physics, Melville, NY USA, 577-583 (2008).

Kanbach, G., A. Stefanescu, S. Duscha, H. Steinle, V. Burwitz and A. Schwöpe: High time resolution observations of Cataclysmic Variables with OPTIMA. In Proc. of „The Universe at Sub-Second Timescales“, Galway, Ireland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. AIP. Conf. Proc. 984, American Institute of Physics, Melville, NY USA, 32-40 (2008).

Kanbach, G., A. Stefanescu, S. Duscha, M. Mühlegger, F. Schrey, H. Steinle, A. Slowikowska and H. Spruit: OPTIMA: A High Time Resolution Optical Photo-Polarimeter. In Proc. of „The Universe at Sub-Second Timescales“, Edinburgh, Scotland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. Astrophys. Space Sci. Lib. 351, Springer, Berlin, Germany, 153 (2008).

Kartavykh, Y.Y., W. Dröge, B. Klecker and G.M. Mason: Acceleration and transport modelling in the 2000 May 1 SEP event. In Proc. of „30th Intern. Cosmic Ray

Conference“, Merida, Mexico, 2007. (Eds.) R. Caballero et al. Proc. 30th Intern. Cosmic Ray Conf. Vol. 1, Universidad Nacional Autónoma de México, Mexico City, Mexico, 79-82 (2008).

Khrapak, A.G., L.G. D'Yachkov and S.A. Khrapak: A Model for Grain Charging in Weakly Ionized Plasmas. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 253-254 (2008).

Khrapak, S.A. and G.E. Morfill: Liquid-vapour critical point in complex plasmas under microgravity conditions: Theoretical approach. Journal of the Japan Society of Microgravity Application 25, 339-342 (2008).

Khrapak, S.A., S.V. Vladimirov, M. Chaudhuri and G.E. Morfill: Superfluid-like Motion of a Small Absorbing Body in a Collisional Plasma. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 257-258 (2008).

Khrapak, S.A.: Collisional Effects in Complex (Dusty) Plasmas. In Proc. of: „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 13-16 (2008).

Kissler-Patig, M., N. Ageorges, C. Alves de Oliveira, L. R. Bedin, E. Bendek, M. Casali, R. Dorn, R. Esteves, G. Finger, D. Gojak, Y. Jung, M. Kiekebusch, A. Moorwood, J.-L. Lizon, M. Petr-Gotzens, J.F. Pirard, J. Pritchard and F. Selmán: Performance of HAWK-I: the new high acuity wide-field K-band imager. In Proc. of: “Ground-based and Airborne Instrumentation for Astronomy II”. (Eds.) I.S. McLean, M. Casali. SPIE Conference Proceedings Vol. 7014, SPIE--The International Society for Optical Engineering, Bellingham WA USA, 70140Q-70140Q-8 (2008).

Klecker, B., E. Möbius, M.A. Popecki and L.M. Kistler: Ionic charge states of heavy ions associated with interplanetary shocks at 1AU. In Proc. of: 30th Intern. Cosmic Ray Conf., Merida, Mexico, 2007. (Eds.) R. Caballero et al. Proc. 30th Intern. Cosmic Ray Conference Vol. 1, Universidad Nacional Autónoma de México, Mexico City, Mexico, 83-86 (2008).

Klingelhöfer, G., D. Rodionov, M. Blumers, L. Strüder, P. Lechner, B. Bernhardt, H. Henkel, I. Fleischer, C. Schröder, J. Girones-Lopez, G. Studlek, J. Maul, J. Fernandez-Sanchez and C. D'Uston: The Advanced Miniaturised Mössbauer Spectrometer MIMOS IIA:

- Increased Sensitivity and New Capability of Elemental Analysis. In Proc. of "39th Lunar and Planetary Science Conference". Lunar and Planetary Science XXXIX Vol. 1391, League City, 2379 (2008).
- Klumov, B.A.: Complex Plasmas in Narrow Channels: Impact of Confinement on the Local Order. In Proc. of „Frontiers“. (Eds.) P.K. Shukla, B. Eliasson, L. Stenflo. AIP. Conf. Proc. 1061, American Institute of Physics, Melville, NY USA, 122-131 (2008).
- Komossa, S.: Narrow-line Seyfert 1 Galaxies. In Proc. of „The Nuclear Region, Host Galaxy and Environment of Active Galaxies“, Huatulco, Mexico, 2007. (Eds.) E. Benítez, I. Cruz-González, Y. Krongold. RevMexAA 32, Instituto de Astronomía, Universidad Nacional Autónoma de México, 86-92 (2008).
- Komossa, S.: X-ray flares in the cores of galaxies. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 367-371.
- Küpcü Yoldas, A., T. Kruehler, J. Greiner, A. Yoldas, C. Clemens, G. Szokoly, N. Primak and S. Klose: First results of GROND. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP Conference Proceedings. American Institute of Physics, Melville, NY, USA, 227-231 (2008).
- Laurent, P., P. Lechner, M. Authier, U. Briel, C. Cara, S. Colonges, P. Ferrando, J. Fontignie, E. Kendziorra, O. Limousin, J. Martignac, A. Meuris, L. Ravera and Y. Rio: The Simbol-X focal plane. Mem. d. Soc. Astron. Ital. 79, 32 (2008).
- Lechner, P., R. Eckhard, C. Fiorini, A. Gola, A. Longoni, A. Niculae, R. Peloso, H. Soltau and L. Strüder: Hard x-ray and gamma-ray imaging and spectroscopy using scintillators coupled to silicon drift detectors. In Proc. of „High Energy, Optical and Infrared Detectors for Astronomy III.“ Marseille, France, 2008. (Eds.) D.A. Dorn, A.D. Holland. SPIE Vol. 7021, 70211 (2008).
- Lehnert, M.D., M. Bremer, A. Verma, L. Douglas and N. Foerster Schreiber: The physical properties of Lyman break galaxies at  $z > 5$ : outflows and the "Pre-enrichment problem"? In Proc. of „Pathways Through an Eclectic Universe“, La Arena, Spain, 2007. (Eds.) J.H. Knapen, T.J. Mahoney, A. Vazdekis. ASP Conference Series 390. Astronomical Society of the Pacific, San Francisco, CA, USA 431-434 (2008).
- Li, Y.-F., D.J. Wu and G.E. Morfill: Effect of Dust Grains on Solitary Kinetic Alfvén Wave. In Proc. of: „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 275-276 (2008).
- Lusso, E., M. Brusa, A. Comastri, C. Vignali and R. Gilli: A panchromatic view of the evolution of Supermassive Black Holes. In Proc. of „8th National Conference on AGN“, Torino, Italy, 2008. (Eds.) L. Lanteri, C.M. Raiteri, A. Capetti, P. Rossi. Proceedings of the 8th National Conference on AGN confE, electronically, 20 (2008).
- Marmolino, C., U. de Angelis, A.V. Ivlev and G.E. Morfill: Stochastic Acceleration of Dust Particles in Tokamak Edge Plasmas. In Proc. of „2008 ICTP International Workshop on the Frontiers of Modern Plasma Physics“, Trieste, Italy, 2008. (Eds.) P.K. Shukla, B. Eliasson, L. Stenflo. AIP. Conf. Proc. 1061, American Institute of Physics, Melville, NY USA, 105-111 (2008).
- Martins, F., D.J. Hillier, R. Genzel, F. Eisenhauer, T. Ott, S. Gillessen and S. Trippe: Massive Stars in the Galactic Center. In Proc. of „Massive Stars as Cosmic Engines“, 250th IAU Symposium, Kanai, USA, 2007. (Eds.) F. Bresolin, P. Crowther, J. Puls. Proc. IAU 250, Cambridge, UK, 257-264 (2008).
- Maurogordato, S., C. Ferrari, C. Benoist, A. Cappi, G. Mars, G. Soucail, E. Slezak, J.L. Sauvageot, M. Arnaud, E. Belsole, H. Bourdin and G.W. Pratt: A combined optical and X-ray view of merging galaxy clusters. In Proc. of "From Dark Halos to Light", La Thuile, Italy, 2006. (Eds.) S. Maurogordato, J. Tran Thanh Van, L. Tresse. The Gioi Publishers, Vietnam, 161-169 (2008).
- Meegan, C., N. Bhat, E. Bissaldi, M. Briggs, V. Connaughton, R. Diehl, G. Fishman, J. Greiner, A.V. Kienlin, R.M. Kippen, C. Kouveliotou, G. Lichti, W. Paciesas, R. Preece, H. Steinle and C. Wilson-Hodge: Expected Performance of the GLAST Burst Monitor. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 573-576 (2008).
- Mogigliani, A., R. Davies, C. Dumas and M. Neeser: Improvements in the residual OH emission removal in SINFONI pipeline spectra. In Proc. of "The 2007 ESO Instrument Calibration Workshop", Garching, Germany, 2007. (Eds.) A. Kaufer, F. Kerber. ESO Astrophysics Symposia. Springer, Berlin, Germany, 443-446 (2008).
- Mokler, F.F.C.: Planetenentstehung auf der Raumstation. Bild der Wissenschaft plus 11/2008, 12-16 (2008).
- Morelli, L., E. Pompei, A. Pizzella, J. Méndez-Abreu, E.M. Corsini, L. Coccato, R.P. Saglia, M. Sarzi and F. Bertola: The Pseudobulge of NGC 1292. In Proc. of „Formation and Evolution of Galaxy Disks“, Rome, Italy, 2007. (Eds.) J.G. Funes, E.M. Corsini. ASP Conf. Ser. 396,



- Astronomical Society of the Pacific, San Francisco, CA USA, 371 (2008).
- Morelli, L., E. Pompei, A. Pizzella, L. Coccato, E.M. Corsini, J. Méndez-Abreu, R.P. Saglia, M. Sarzi and F. Bertola: Stellar population in bulge of spiral galaxies. In Proc. of „Formation and Evolution of Galactic Bulges“, 245th IAU Symposium. (Eds.) M. Bureau, E. Athanassoula, B. Barbuy. Proc. IAU 245, Cambridge University Press, Oxford, UK, 313-314 (2008).
- Motch, C., A.M. Pires, F. Haberl, A. Schwobe and V.E. Zavlin: Proper motions of ROSAT discovered isolated neutron stars measured with Chandra: First X-ray measurement of the large proper motion of RX J1308.6+2127/RBS 1223. In Proc. of „40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More“, Montreal, Canada, 2007. (Eds.) C.G. Bassa, Z. Wang, A. Cumming, V.M. Kaspi. AIP. Conf. Proc. 983, American Institute of Physics, Melville, NY USA, 354-356 (2008).
- Müller Sánchez, F., R.I. Davies, R. Genzel, L.J. Tacconi, E. Hicks and S. Friedrich: Imaging spectroscopy of the centers of nearby AGN: Molecular gas streaming and obscuring the active nucleus of NGC 1068. In Proc. of „The Nuclear Region, Host Galaxy and Environment of Active Galaxies“, Huatulco, Mexico, 2007. (Eds.) E. Benítez, I. Cruz-González, Y. Krongold. RevMexAA 32, Instituto de Astronomía, Universidad Nacional Autónoma de México, 109-111 (2008).
- Müller, A. and G. Hasinger: Iron K Lines of AGN in the X Ray Background. In Proc. of „Relativistic Astrophysics and Cosmology - Einstein's Legacy“, Munich, Germany, 2005. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. Relativistic Astrophysics and Cosmology - Einstein's Legacy, 261 (2008).
- Müller, T.G., E. Lellouch, H. Bönhardt, J. Stansberry, A. Barucci, J. Crovisier, A. Delsanti, A. Doressoundiram, E. Dotto, R. Duffard, S. Fornasier, O. Groussin, P.J. Gutierrez, O. Hainaut, A. Harris, P. Hartogh, D. Hestroffer, J. Horner, D. Jewitt, M. Kidger, C. Kiss, P. Lacerda, L. Lara, T. Lim, M. Mueller, R. Moreno, J.-L. Ortiz, M. Rengel, P. Santos-Sanz, B. Swinyard, N. Thomas and D. Trilling: Hershel Open Time Key Programme: TNOs are Cool: A Survey of the Transneptunian Region. Lunar Planetary Institute Contrib. 1405, 8080 (2008).
- Naab, T., A. Burkert, P.H. Johansson and R. Jesseit: Formation and evolution of galactic spheroids by mergers. In Proc. of „Formation and Evolution of Galactic Bulges“, 245th IAU Symposium, Oxford, UK, 2008. (Eds.) M. Bureau, E. Athanassoula, B. Barbuy. Proc. IAU 245, Cambridge University Press, Cambridge, UK, 47-50 (2008).
- Napolitano, N.R., A.J. Romanowsky, L. Coccato, M. Capaccioli, N.G. Douglas, E. Noordermeer, M.R. Merrifield, K. Kuijken, M. Arnaboldi, O. Gerhard, K.C. Freeman, F. De Lorenzi and P. Das: Dark-Matter Content of Early-Type Galaxies with Planetary Nebulae. In Proc. of „Dark Galaxies and lost Baryons“, Cardiff, UK, 2007, 244th IAU Symposium. (Eds.) J.I. Davies, M.J. Disney. Proc. IAU 244, 289-294 (2008).
- Nowak, N., R.P. Saglia, J. Thomas, P. Erwin and R. Bender: Black holes in low-mass bulges and pseudobulges. In Proc. of „Formation and Evolution of Galactic Bulges“, 245th IAU Symposium, Oxford, UK, 2008. (Eds.) M. Bureau, E. Athanassoula, B. Barbuy. Proc. IAU 245, Cambridge University Press, Cambridge, UK, 253-254 (2008).
- Nowak, N., R.P. Saglia, R. Bender, J. Thomas and R. Davies: Supermassive Black Holes in Galaxies. In Proc. of „Relativistic Astrophysics and Cosmology - Einstein's Legacy“, Munich, Germany, 2005. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. Relativistic Astrophysics and Cosmology - Einstein's Legacy, 53 (2008).
- Noyola, E., K. Gebhardt and M. Bergmann: Central Dynamics of Globular Clusters: the Case for a Black Hole in  $\omega$  Centauri. In Proc. of “246th IAU Symposium: Dynamical Evolution of Dense Stellar Systems”, Capri, Italy, 2007. (Eds.) E. Vesperini, M. Giersz, A. Sills. Proceedings of the International Astronomical Union Vol. 246, Cambridge University Press, Cambridge, UK, 341-345 (2008).
- Paschmann, G., B.U.Ö. Sonnerup: Proper Frame Determination and Walén test, In: Multi-Spacecraft Analysis Methods Revisited (Eds) G. Paschmann, P. Daly, Nr. SR-008 in ISSI Scientific Reports, ESA Publ. Div., Noordwijk, The Netherlands, (2008) 65-74.
- Paumard, T., G. Perrin, A. Eckart, R. Genzel, P. Léna, R. Schödel, F. Eisenhauer, T. Müller and S. Gillessen: Scientific Prospects for VLTI in the Galactic Centre: Getting to the Schwarzschild Radius. In Proc. of „The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation“, Garching, Germany, 2005. (Eds.) F. Paresce, A. Richichi. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation, Springer, Berlin/Heidelberg, Germany, 313 (2008).
- Pfeffermann, E.: Imaging proportional counters. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 21-28.



- Pfeffermann, E.: Proportional counters. In: *The Universe in X-rays*. (Eds.) J.E. Trümper, G. Hasinger. *Astrophysics and Space Science Library*. Springer, Berlin, Germany (2008) 5-14.
- Pietsch, W.: The X-ray source populations of M 31 and M 33. In Proc. of „X-rays from nearby Galaxies“, Madrid, Spain, 2007. (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 7-12 (2008).
- Pietsch, W.: X-ray from nearby galaxies. In: *The Universe in X-rays*. (Eds.) J.E. Trümper, G. Hasinger. *Astrophysics and Space Science Library*. Springer, Berlin, Germany (2008) 347-365.
- Pietsch, W.: X-ray source population studies in nearby galaxies. *Mem. d. Soc. Astron. Ital.* 79, 198 (2008).
- Pohlen, M., P. Erwin, I. Trujillo and J.E. Beckman: Three types of galaxy disks. In Proc. of: „Pathways Through an Eclectic Universe“, La Arena, Spain, 2007. (Eds.) J.H. Knapen, T.J. Mahoney, A. Vazdekis. *ASP Conference Series* 390. *Astronomical Society of the Pacific*, San Francisco, CA, USA 247-250 (2008).
- Popov, S.B., B. Posselt, F. Haberl, J. Trümper, R. Turolla and R. Neuhäuser: Space cowboys odyssey: beyond the Gould Belt. In Proc. of „40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More“, Montreal, Canada, 2007. (Eds.) C.G. Bassa, Z. Wang, A. Cumming, V.M. Kaspi. *AIP. Conf. Proc.* 983, *American Institute of Physics*, Melville, NY USA, 357-359 (2008).
- Porro, M., G. de Vita, S. Herrmann, T. Lauf, A. Wassatsch, J. Treis, L. Bombelli and C. Fiorini: Performance of ASTEROID: a 64 Channel ASIC for Source Follower Readout of DEPFET Matrices for X-Ray Astronomy. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. *IEEE Conference Records Vol. 2008 NSS MIC RTSD*, *Institute of Electrical and Electronics Engineers*, Dresden, 1835 (2008).
- Porro, M., L. Andricek, A. Castoldi, C. Fiorini, P. Fischer, H. Graafsma, K. Hansen, A. Kugel, G. Lutz, U. Pietsch, V. Re and L. Strüder: Large Format X-Ray Imager with Mega-Frame Readout Capability for XFEL, based on the DEPFET Active Pixel Sensor. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. *IEEE Conference Records Vol. 2008 NSS MIC RTSD*, *Institute of Electrical and Electronics Engineers*, Dresden, 1579-1586 (2008).
- Posselt, B., R. Neuhäuser and F. Haberl: Searching for planets around pulsars and radio-quiet neutron stars. In Proc. of „40 Years of Pulsars: Millisecond Pulsars, Magnetars and More“, Montreal, Canada, 2007. (Eds.) C.G. Bassa, Z. Wang, A. Cumming, V.M. Kaspi. *AIP. Conf. Proc.* 983, *American Institute of Physics*, Melville, NY USA, 360-362 (2008).
- Predehl, P.: High resolution spectroscopy. In: *The Universe in X-rays*. (Eds.) J.E. Trümper, G. Hasinger. *Astrophysics and Space Science Library*. Springer, Berlin, Germany (2008) 73-82.
- Predehl, P.: The galactic center. In: *The Universe in X-rays*. (Eds.) J.E. Trümper, G. Hasinger. *Astrophysics and Space Science Library*. Springer, Berlin, Germany (2008) 333-344.
- Ramírez, J.M., S. Komossa, V. Burwitz and S. Mathur: CHANDRA LETGS spectroscopy of ionized absorbers: The quasar MR 2251-178. In Proc. of „The Nuclear Region, Host Galaxy and Environment of Active Galaxies“, Huatulco, Mexico, 2007. (Eds.) E. Benítez, I. Cruz-González, Y. Krongold. *RevMexAA* 32, *Instituto de Astronomía, Universidad Nacional Autónoma de México*, 120-122 (2008).
- Ramsay, S.K., S. Rolt, R.M. Sharples and R. Davies: Calibration of the KMOS multi-field imaging spectrometer. In Proc. of „The 2007 ESO Instrument Calibration Workshop, Garching, Germany, 2007. (Eds.) A. Kaufer, F. Kerber. *The 2007 ESO Instrument Calibration Workshop, ESO Astrophysics Symposia*. Springer, Berlin, Germany, 319-324 (2008).
- Reich, C., R. Hartmann, H. Soltau, L. Strüder, N. Meidinger, U. Pietsch, W. Leitenberger, C. Bostedt and T. Möller: Experiments with fast spectroscopic pnCCDs at BESSY and FLASH VUV-FEL. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. *IEEE Conference Records Vol. 2008 NSS MIC RTSD*, *Institute of Electrical and Electronics Engineers*, Dresden, 2585-2589 (2008).
- Rossi, A., D.A. Kann, S. Schulze, P. Ferrero, R. Filgas, S. Klose, C. Clemens, A.K. Yoldas, T. Krühler, A. Yoldas and J. Greiner: Dark bursts in the Swift era. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. *AIP. Conf. Proc.* 1000, *American Institute of Physics*, Melville, NY USA, 327-330 (2008).
- Saglia, R.P.: The Photometric Classification Server of PanSTARRS1. In Proc. of „Classification and Discovery in Large Astronomical Surveys“, Ringberg Castle, Germany, 2008. (Ed.) C.A.L. Bailer-Jones. *AIP Conference Proceedings Vol. 1082*, *American Institute of Physics*, Melville, NY, 366-372 (2008).
- Sala, G., J. Greiner and N. Primak: Looking for black-holes in X-ray binaries with XMM-Newton: XTE J1817-

- 330 and XTE J1856+053. In Proc. of „Observational Evidence for Black Holes in the Universe“, Kolkata, India 2008. (Eds.) S. Chakrabarti, S.M. Archan. AIP. Conf. Proc. 1053, American Institute of Physics, Melville, NY USA, 183-188 (2008).
- Sala, G., J. Greiner, E. Bottacini and F. Haberl: XMM-Newton observations of XTE J1817-330 and XTE J1856+053. In Proc. of „Astrophysics of Compact Objects“, Huangshan City, China, 2007. (Eds.) Y.-F. Yuan, X.-D. Li, D. Lai. AIP. Conf. Proc. 968, American Institute of Physics, Melville, NY USA, 325-327 (2008).
- Savaglio, S.: Low-Mass and Metal-Poor Gamma-Ray Burst Host Galaxies. In Proc. of „255th IAU Symposium: Low-Metallicity Star Formation: From the First Stars to Dwarf Galaxies“, Rapallo, Italy, 2008. (Eds.) L.K. Hunt, S. Madden, R. Schneider. IAU Symposium Vol. 255, Cambridge University Press, Cambridge, UK, 204-211 (2008).
- Saxton, R.D., A.M. Read, M.J. Freyberg, P. Esquej and B. Altieri: The XMM-Newton medium-energy X-ray ‚all-sky‘ survey. Mem. d. Soc. Astron. Ital. 79, 204 (2008).
- Schartmann, M., K. Meisenheimer, M. Camenzind, S. Wolf and Th. Henning: 3D-Models of Clumpy Tori in Seyfert Galaxies. In Proc. of „Relativistic Astrophysics and Cosmology - Einstein’s Legacy“, Munich, Germany, 2005. (Eds.) B. Aschenbach, V. Burwitz, G. Hasinger, B. Leibundgut. Relativistic Astrophysics and Cosmology - Einstein’s Legacy, 283 (2008).
- Sharples, R.M., S.K. Ramsay, R. Davies and M. Lehnert: KMOS: design overview and calibration requirements. In „The 2007 ESO Instrument Calibration Workshop, Garching, Germany, 2007. (Eds.) A. Kaufer, F. Kerber. ESO Astrophysics Symposia. Springer, Berlin, Germany, 311-317(2008).
- Slowikowska, A., B. Rudak and G. Kanbach: High energy polarization of pulsars-observations vs. models. In Proc. of „40 Years of Pulsars: Millisecond Pulsars, Magnetars and More“, Montreal, Canada, 2007. (Eds.) C.G. Bassa, Z. Wang, A. Cumming, V.M. Kaspi. AIP. Conf. Proc. 983, American Institute of Physics, Melville, NY USA, 142-144 (2008).
- Slowikowska, A., G. Kanbach, M. Kramer and A. Stefanescu: Optical polarization of the Crab pulsar: precision measurements and comparison to the radio emission. In Proc. of „The Universe at Sub-Second Timescales“, Galway, Ireland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. AIP. Conf. Proc. 984, American Institute of Physics, Melville, NY USA, 51-59 (2008).
- Sonnerup, B.U.Ö., S.E. Haaland, G. Paschmann: Discontinuity orientation, motion, and thickness, In: Multi-Spacecraft Analysis Methods Revisited. (Eds) G. Paschmann, P. Daly, Nr. SR-008 in ISSI Scientific Reports, ESA Publ. Div., Noordwijk, The Netherlands, 1-15 (2008).
- Staubert, R. and J. Trümper: Overview. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany (2008) 3-4.
- Stefanescu, A., G. Kanbach, A. Slowikowska, S. Duscha and M. Mühlegger: OPTIMA-Burst: Observing GRB Afterglows and other Fast Transients with High Time Resolution. In Proc. of „The Universe at Sub-Second Timescales“, Galway, Ireland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. AIP. Conf. Proc. 984, American Institute of Physics, Melville, NY USA, 124-131 (2008).
- Stiehle, H., W. Pietsch, F. Haberl, R. Barnard, V. Burwitz, M. Freyberg, J. Greiner, D. Hatzidimitriou, M. Hernanz, U. Kolb, A. Kong, P. Plucinsky, P.S.M. Reig, G. Sala, L. Show Greening, L. Stella and B. Williams: A deep XMM-Newton survey of M 31. In Proc. of „X-rays from nearby Galaxies“, Madrid, Spain, 2007. (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 23-27 (2008).
- Strüder, L., G. Kanbach, N. Meidinger, F. Schopper, R. Hartmann, P. Holl, H. Soltau, R. Richter and G. Lutz: The Development of Avalanche Amplifying pnCCDs: A Status Report. In Proc. of „The Universe at Sub-Second Timescales“, Edinburgh, Scotland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. Astrophys. Space Sci. Lib. 351, Springer, Berlin, Germany, 281 (2008).
- Strueder, L. and N. Meidinger: CCD detectors. In: The Universe in X-rays. (Eds.) J.E. Trümper, G. Hasinger. Astrophysics and Space Science Library. Springer, Berlin, Germany, 51-71 (2008).
- Sturm, E., D. Lutz, R. Genzel, G. Hasinger, V. Mainieri, L.J. Tacconi, M. Lehnert and I. Lehmann: The Mid-Infrared Spectra of X-ray Selected Type 2 QSOs. In Proc. of „Infrared Diagnostics of Galaxy Evolution“, Pasadena, USA, 2005. (Eds.) R.R. Chary, H.I. Teplitz, K. Sheth. ASP Conf. Ser. 381, Astronomical Society of the Pacific, San Francisco, CA USA, 391 (2008).
- Takahashi, K., H.M. Thomas, G.E. Morfill, A.V. Ivlev, Y. Hayashi and S. Adachi: Diagnosis in Complex Plasmas for Microgravity Experiments (PK-3 plus). In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 329-330 (2008).
- Thomas, H.M., G.E. Morfill, A.V. Ivlev, T. Hagl, H. Rothermel, S.A. Khrapak, K.R. Sütterlin, M. Rubin-Zuzic, M. Schwabe, S.K. Zhdanov, C. Räch, V.E. Fortov, V.I. Molotkov, A.M. Lipaev, O.F. Petrov, V.I. Tokarev, Y.I.

- Malenchenko, M.V. Turin, P.V. Vinogradov, F.N. Yurchikhin, S.K. Krikalev and T. Reiter: New Directions of Research in Complex Plasmas on the International Space Station. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 41-44 (2008).
- Treis, J., L. Andricek, F. Aschauer, G. de Vita, S. Herrmann, K. Heinzinger, T. Lauf, P. Lechner, G. Lutz, M. Porro, R.H. Richter, G. Schaller, M. Schnecke, F. Schopper, G. Segneri, H. Soltau, L. Strüder: DEPFET Macropixel Arrays as Focal Plane Instrumentation for SIMBOL-X and MIXS on BepiColombo. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, N21-5 (2008).
- Trinchieri, G., W. Pietsch and M. Bauer: A few examples of source variability in NGC 253. In Proc. of „X-rays from nearby Galaxies“, Madrid, Spain, 2007. (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 145 (2008).
- Trippe, S., T. Paumard, S. Gillessen, T. Ott, F. Eisenhauer, F. Martins and R. Genzel: Near-infrared observations of Sagittarius A\*. In Proc. of „The Nuclear Region, Host Galaxy and Environment of Active Galaxies“, Huatulco, Mexico, 2007. (Eds.) E. Benítez, I. Cruz-González, Y. Krongold. RevMexAA 32, Instituto de Astronomía, Universidad Nacional Autónoma de México, 12-14 (2008).
- Usachev, A., H. Höfner, M. Thoma, M. Fink, A. Zobnin, M. Kretschmer, O. Petrov, G. Morfill and V. Fortov: Structural and Dynamical Properties of Microrod Dusty Plasma in a Uniform DC Discharge under Microgravity. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada, Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 335-336 (2008).
- van Dishoeck, E.F.: Organic matter in space: an overview. In Proc. of “251st IAU Symposium: Organic matter in space”, Hong Kong, China, 2008. (Eds.) S. Kwok, S. Sandford. IAU Symposium Proceedings Vol. 251, Cambridge University Press, Cambridge, 003-012 (2008).
- Vennik, J. and U. Hopp: Photometric Study of the Disk Galaxies in the Poor Group of Galaxies LGG 16. In Proc. of „Formation and Evolution of Galaxy Disks“, Rome, Italy, 2007. (Eds.) J.G. Funes, E.M. Corsini. ASP Conf. Ser. 396, Astronomical Society of the Pacific, San Francisco, CA USA, 293 (2008).
- Vogel, J., A. Schwöpe, R. Schwarz, G. Kanbach, V.S. Dhillon and T.R. Marsh: On the orbital period of the magnetic cataclysmic variable HU Aquarii. In Proc. of „The Universe at Sub-Second Timescales“, Galway, Ireland, 2007. (Eds.) D. Phelan, O. Ryan, A. Shearer. AIP. Conf. Proc. 984, American Institute of Physics, Melville, NY USA, 264-267 (2008).
- Vogt, J., G. Paschmann, and G. Chanteur, Reciprocal Vectors, In: Multi-Spacecraft Analysis Methods Revisited (Eds) G. Paschmann, P. Daly, Nr. SR-008 in ISSI Scientific Reports, ESA Publ. Div., Noordwijk, The Netherlands (2008) 33-46.
- Voss, R. and M. Gilfanov: Dynamical formation of LMXBs in the inner bulge of M 31. In Proc. of “X-rays from Nearby Galaxies”, Madrid, Spain, 2007, (Eds.) S. Carpano, M. Ehle, W. Pietsch. MPE Report 295, 28-31 (2008).
- Wang, W.: Galactic  $^{26}\text{Al}$ : probe of supernovae and pulsars. In: Astrophysics of Compact Objects, (Eds.) Y.F. Yuan, X.D. Li, D. Lai. AIP Conference Proceedings 968. American Institute of Physics, Melville, NY, USA, 185-187 (2008).
- Wang, W.: Hard X-ray spectra of anomalous X-ray pulsars. In Proc. of “Astrophysics of Compact Objects”, Huangshan, China, 2007. (Eds.) Y.-F. Yuan, X.-D. Li, D. Lai. AIP Conference Proceedings 968. American Institute of Physics, Melville, NY, USA, 101-103 (2008).
- Weidenspointner, G., M.G. Pia and A. Zoglauer: Application of the Geant4 PIXE implementation for space missions - New models for PIXE simulation with Geant4. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, N41-4 (2008).
- Wolk, S.J., C.M. Lisse, D. Bodewits, D.J. Christian and K. Dennerl: Chandra’s Close Encounter with the Disintegrating Comets 73P/Schwassmann-Wachmann-3 Fragment B and C/1999 S4 (LINEAR). Lunar Planetary Institute Contrib. 1405, 8305 (2008).
- Xu, D., S. Komossa and H. Zhou: The density of the narrow-line region of type 1 Active Galactic Nuclei. In Proc. of „The Nuclear Region, Host Galaxy and Environment of Active Galaxies“, Huatulco, Mexico, 2007. (Eds.) E. Benítez, I. Cruz-González, Y. Krongold. RevMexAA 32, Instituto de Astronomía, Universidad Nacional Autónoma de México, 93-95 (2008).
- Yaroshenko, V., M. Horanyi and G. Morfill: The Wave Mechanism of Spoke Formation in Saturn’s Rings. In Proc. of „Multifacets of Dusty Plasmas“, Ponta Delgada,



Portugal, 2008. (Eds.) J.T. Mendonça, D.P. Resendes, P.K. Shukla. AIP. Conf. Proc. 1041, American Institute of Physics, Melville, NY USA, 215-216 (2008).

Yatsu, Y., N. Kawai, J. Kataoka and W. Brinkmann: A study of rapid expanding H II region RCW 89. In Proc. of „40 YEARS OF PULSARS: Millisecond Pulsars, Magnetars and More“, Montreal, Canada, 2007. (Eds.) C.G. Bassa, Z. Wang, A. Cumming, V.M. Kaspi. AIP. Conf. Proc. 983, American Institute of Physics, Melville, NY USA, 219-221 (2008).

Yoldas, A.K., T. Krühler, J. Greiner, A. Yoldas, C. Clemens, G. Szokoly, N. Primak and S. Klose: First Results of GROND. In Proc. of „Gamma-Ray Bursts 2007“, Santa Fe, USA, 2007. (Eds.) M. Galassi, D. Palmer, E. Fenimore. AIP. Conf. Proc. 1000, American Institute of Physics, Melville, NY USA, 227-231 (2008).

Zibetti, S.: Statistical properties of the intracluster light from SDSS image stacking. In Proc. of “244th IAU Symposium: Dark Galaxies and Lost Baryons”, Cardiff, UK, 2008, (Eds.) J.I. Davies, M.J. Disney. IAU Symposium and Colloquium Proceedings Series IAU Symposium 244. Cambridge University Press, Cambridge, UK, 176-185 (2008).

Zoglauer, A., G. Weidenspointner, C.B. Wunderer and S.E. Boggs: Status of Instrumental Background Simulations for Gamma-Ray Telescopes with Geant4. In Proc. of „2008 IEEE Nuclear Science Symposium and Medical Imaging Conference“, Dresden, Germany, 2008. (Eds.) P. Sellin. IEEE Conference Records Vol. 2008 NSS MIC RTSD, Institute of Electrical and Electronics Engineers, Dresden, N41-1 (2008).

## Telegramme / Zirkulare

Afonso, P., T. Kruehler, J. Greiner, C. Clemens, A. Yoldas and A.K. Yoldas: GRB 080906: GROND observations of the optical/NIR afterglow. GCN Circ. 8194, 1 (2008).

Ajello, M., J. Greiner and G.K.N. Gehrels: A Swift/BAT source inside the error circle of the AGILE Cygnus source. The Astronomer's Telegram 1497, 1 (2008).

Barsukova, E., O. Sholukhova, A. Valeev, S. Fabrika, V. Goranskij, W. Pietsch and K. Hornoch: Spectroscopic confirmation of nova 2008-07a in M31. The Astronomer's Telegram 1773, 1 (2008).

Barsukova, E., S. Fabrika, O. Sholukhova, A. Valeev, V. Goranskij, W. Pietsch and K. Hornoch: Nova candidate 2008-09b in M31 galaxy is not a nova. The Astronomer's Telegram 1762, 1 (2008).

Beckmann, V., S. Mereghetti, A. von Kienlin, M. Beck, V. Savchenko, J. Borkowski and D. Gotz: GRB 080319A/B/C: INTEGRAL SPI-ACS light curves available. GCN Circ. 7450, 1 (2008).

Bissaldi, E. and A. von Kienlin: GRB 081101B: Fermi GBM detection. GCN Circ. 8486, 1 (2008).

Bissaldi, E. and A. von Kienlin: GRB 081105B: Fermi GBM detection. GCN Circ. 8495, 1 (2008).

Bissaldi, E., and A. von Kienlin: GRB 081028B: Fermi GBM detection. GCN Circ. 8433, 1 (2008).

Bissaldi, E., and A. von Kienlin: GRB 081204B: Fermi GBM detection. GCN Circ. 8622, 1 (2008).

Bissaldi, E., and A. von Kienlin: GRB 081213: Fermi GBM detection. GCN Circ. 8668, 1 (2008).

Bissaldi, E., M. Briggs, A. von Kienlin and S. McBreen:

GLAST burst monitor detection of GRB 080817. GCN Circ. 8108, 1 (2008).

Bissaldi, E., S. McBreen and A. von Kienlin: GRB 080905C: Fermi GBM detection. GCN Circ. 8213, 1 (2008).

Bissaldi, E., S. McBreen and A. von Kienlin: GRB 080906B: Fermi GBM detection. GCN Circ. 8214, 1 (2008).

Bissaldi, E., S. McBreen and A. von Kienlin: GRB 080927: Fermi GBM detection. GCN Circ. 8302, 1 (2008).

Bissaldi, E., S. McBreen, C.A. Wilson-Hodge and A. von Kienlin: GRB 080916A: Fermi GBM detection. GCN Circ. 8263, 1 (2008).

Bissaldi, E., S. McBreen, V. Connaughton and A. von Kienlin: GLAST burst monitor detection of GRB 080818. GCN Circ. 8110, 1 (2008).

Bissaldi, E., S. McBreen, V. Connaughton and A. von Kienlin: GRB 080905A: Fermi gamma-ray burst monitor detection. GCN Circ. 8204, 1 (2008).

Burwitz, V., M. Henze, W. Pietsch, A. Updike, D. Hartmann, P. Milne and G. Williams: Optical Nova Candidate in M 31. The Astronomer's Telegram 1364, 1 (2008).

Burwitz, V., W. Pietsch, M. Cikota, S. Henze and F. Violat-Bordonau: A new optical nova candidate in M 31. The Astronomer's Telegram 1591, 1 (2008).

Clemens, C., A. Küpcü Yoldas, J. Greiner, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080330: GROND observations. GCN Circ. 7545, 1 (2008).

Clemens, C., A. Küpcü Yoldas, J. Greiner, T. Kruehler, A. Yoldas and G. Szokoly: GRB 080605: GROND 2nd epoch observations. GCN Circ. 7851, 1 (2008).



- Clemens, C., A. Rossi, J. Greiner and S. McBreen: GRB 080916C: GROND detection of the optical afterglow candidate. *GCN Circ.* 8257, 1 (2008).
- Clemens, C., A. Rossi, J. Greiner, S. McBreen, T. Kruehler, A. Yoldas, A.K. Yoldas and G. Szokoly: GRB 080916C: GROND confirmation of the optical afterglow. *GCN Circ.* 8272, 1 (2008).
- Clemens, C., A. Rossi, J. Greiner, S. McBreen, T. Kruehler, A. Yoldas, A.K. Yoldas and G. Szokoly: GRB 080916C: GROND confirmation of the optical afterglow. *GCN Circ.* 8273, 1 (2008).
- Clemens, C., A. Updike, T. Kruehler, J. Greiner, A. Küpcü Yoldas, A. Yoldas and G. Szokoly: GRB 080613A: GROND confirmation of the afterglow candidate. *GCN Circ.* 7880, 1 (2008).
- Clemens, C., A. Updike, T. Kruehler, J. Greiner, A. Küpcü Yoldas, A. Yoldas and G. Szokoly: GRB 080613B: GROND upper limits. *GCN Circ.* 7879, 1 (2008).
- Clemens, C., A.K. Yoldas, J. Greiner, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080325: GROND observations. *GCN Circ.* 7520, 1 (2008).
- Clemens, C., S. Klose, J. Greiner, A. Küpcü Yoldas, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080319D: GROND observations. *GCN Circ.* 7503, 1 (2008).
- Clemens, C., S. Klose, J. Greiner, A.K. Yoldas, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080319D: GROND detection of the optical counterpart. *GCN Circ.* 7514, 1 (2008).
- Clemens, C., S. Loew, J. Greiner, A. Yoldas, T. Kruehler, A. Küpcü Yoldas and G. Szokoly: GRB 080702B: GROND upper limits. *GCN Circ.* 7943, 1 (2008).
- Clemens, C., S. Loew, J. Greiner, A. Yoldas, T. Kruehler, A. Küpcü Yoldas and G. Szokoly: GRB 080703: GROND upper limits. *GCN Circ.* 7944, 1 (2008).
- Clemens, C., S. Loew, J. Greiner, A. Yoldas, T. Kruehler, A. Küpcü Yoldas and G. Szokoly: GRB 080707: GROND confirmation of the optical afterglow. *GCN Circ.* 7954, 1 (2008).
- Clemens, C., S. Loew, J. Greiner, A. Yoldas, T. Kruehler, A. Küpcü Yoldas and G. Szokoly: GRB 080707: GROND detection of the optical afterglow candidate. *GCN Circ.* 7948, 1 (2008).
- Clemens, C., T. Kruehler, J. Greiner, A. Küpcü Yoldas, A. Yoldas and G. Szokoly: GRB 080605: GROND detection of the optical afterglow candidate. *GCN Circ.* 7834, 1 (2008).
- Cummings, J., S. Barthelmy, N. Gehrels, H. Krimm, D. Palmer, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, K. Hurley, T. Cline, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, A. von Kienlin, G. Lichti, A. Rau, M. Marisaldi, F. Fuschino, M. Galli, C. Labanti, E. Del Monte, F. Lazzarotto, L. Pacciani and P. Soffitta: GRB 081105 Swift/BAT and IPN localization. *GCN Circ.* 8484, 1 (2008).
- Eger, P. and F. Haberl: Identification of the Be/X-ray binary transient XMMU J004911.4-724939 in the SMC with the pulsar XTE J0055-727. *The Astronomer's Telegram* 1453, 1 (2008).
- Filgas, R., A. Küpcü Yoldas, J. Greiner, A. Rossi, S. Klose, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080516, GROND 2nd epoch observations. *GCN Circ.* 7741, 1 (2008).
- Filgas, R., A. Küpcü Yoldas, J. Greiner, A. Rossi, S. Klose, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080516, GROND observations. *GCN Circ.* 7740, 1 (2008).
- Filgas, R., T. Tautenburg, A. Küpcü Yoldas, J. Greiner, A. Rossi, S. Klose, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080516, GROND further analysis. *GCN Circ.* 7747, 1 (2008).
- Fishman, G.J., S. McBreen, M.S. Briggs, C. Kouveliotou, A. von Kienlin, A.J. van der Horst, P.N. Bhat and C.A. Meegan: SGR 0501+4516: Fermi GBM (formerly GLAST burst monitor) observations of three exceptionally intense outbursts. *GCN Circ.* 8139, 1 (2008).
- Fynbo, J.P.U., J. Greiner, T. Kruehler, A. Rossi, P. Vreeswijk and D. Malesani: GRB 080913: VLT/FORS spectrum. *GCN Circ.* 8225, 1 (2008).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'shin, D. Frederiks, T. Cline, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, A. von Kienlin, G. Lichti, A. Rau and K. Hurley: IPN localization of short hard GRB 081216. *GCN Circ.* 8677, 1 (2008).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, K. Hurley, T. Cline, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, J. Cummings, S. Barthelmy, N. Gehrels, H. Krimm, A. von Kienlin, G. Lichti and A. Rau: IPN triangulation of bright GRB 080513. *GCN Circ.* 7728, 1 (2008).
- Golenetskii, S., R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, K. Hurley, T. Cline, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, A. von Kienlin, G. Lichti, A. Rau,

- M. Marisaldi, F. Fuschino, M. Galli, C. Labanti, E.M. Del, F. Lazzarotto, L. Pacciani, P. Soffitta, J. Cummings, S. Barthelmy, N. Gehrels and H. Krimm: IPN localization of the very hard GRB 080204. *GCN Circ.* 7256, 1 (2008).
- Greiner, J., G. Sala and T. Kruehler: Identification of the transient XTE J1719-291 = SWIFT J171916.9-290410. *The Astronomer's Telegram* 1577, 1 (2008).
- Greiner, J., R. Schwarz, G. Sala, J.-U. Ness and R. Mennickent: Supersoft X-ray source CAL 83 in an optical-high, X-ray off state. *The Astronomer's Telegram* 1357, 1 (2008).
- Greiner, J., T. Kruehler and A. Rossi: GRB 080913: GROND photo-z. *GCN Circ.* 8223, 1 (2008).
- Haberl, F. and P. Eger: XMMU J005527.6-721059 = CXOU J005527.9-721058: Be/X-ray binary pulsar in the SMC or background AGN?. *The Astronomer's Telegram* 1529, 1 (2008).
- Heinke, C.O., F. Yusef-Zadeh, R. Genzel, S. Gillessen, K.M. Menten and M. Wardle: Chandra detects Swift J174535.5-290135.6 in a relatively bright state. *The Astronomer's Telegram* 1513, 1 (2008).
- Henze, M., V. Burwitz, W. Pietsch, A. Updike, P. Milne, G. Williams and D.H. Hartmann: Optical Nova Candidate in M 31. *The Astronomer's Telegram* 1546, 1 (2008).
- Henze, M., V. Burwitz, W. Pietsch, A. Updike, P. Milne, G. Williams and D.H. Hartmann: Optical Nova Candidate in M 31. *The Astronomer's Telegram* 1580, 1 (2008).
- Henze, M., V. Burwitz, W. Pietsch, A. Updike, P. Milne, G. Williams and D.H. Hartmann: Optical Nova Candidates in M 31. *The Astronomer's Telegram* 1567, 1 (2008).
- Henze, M., V. Burwitz, W. Pietsch, D. Hatzidimitriou, P. Reig, N. Primak and G. Papamastorakis: Two new, bright optical nova candidates in M 31 including one possible recurrent nova. *The Astronomer's Telegram* 1654, 1 (2008).
- Henze, M., W. Pietsch, J. Greiner and V. Burwitz: Swift XRT detections of X-ray transients in M 31. *The Astronomer's Telegram* 1805, 1 (2008).
- Henze, M., W. Pietsch, J. Greiner and V. Burwitz: Swift XRT detections of X-ray transients in M 31. *The Astronomer's Telegram* 1806, 1 (2008).
- Henze, M., W. Pietsch, V. Burwitz, A. Updike, D. Hartmann, P. Milne and G. Williams: Optical Nova Candidate in M 31. *The Astronomer's Telegram* 1380, 1 (2008).
- Henze, M., W. Pietsch, V. Burwitz, A. Updike, D.H. Hartmann, P. Milne and G. Williams: Confirmation of a recent optical nova candidate in M 31 and H-alpha identification of seven M 31 novae. *The Astronomer's Telegram* 1602, 1 (2008).
- Henze, M., W. Pietsch, V. Burwitz, D. Hatzidimitriou, P. Reig, N. Primak and G. Papamastorakis: New optical nova in M 31. *The Astronomer's Telegram* 1790, 1 (2008).
- Henze, M., W. Pietsch, V. Burwitz, D. Hatzidimitriou, P. Reig, N. Primak, G. Papamastorakis, A. Updike, D.H. Hartmann, P. Milne and G. Williams: New optical nova candidate in M 31. *The Astronomer's Telegram* 1609, 1 (2008).
- Hurley, K., J. Goldsten, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, T. Cline, E. Bellm, D.M. Smith, R.P. Lin, J. McTiernan, R. Schwartz, C. Wigger, W. Hajdas, A. Zehnder, A. von Kienlin, G. Lichti, A. Rau, E.M. Del, I. Donnarumma, Y. Evangelista, M. Feroci, I. Lapshov, F. Lazzarotto, L. Pacciani, M. Galli and M. Marisaldi: IPN triangulation and energy spectrum of GRB080916C. *GCN Circ.* 8251, 1 (2008).
- Hurley, K., T. Cline, W. Boynton, C. Fellows, K. Harshman, C. Shinohara, R. Starr, I.G. Mitrofanov, D. Golovin, M.L. Litvak, A.B. Sanin, S. Golenetskii, R. Aptekar, E. Mazets, V. Pal'Shin, D. Frederiks, J. Goldsten, K. Yamaoka, M. Ohno, Y. Fukazawa, T. Takahashi, M. Tashiro, Y. Terada, T. Murakami, K. Makishima, J. Cummings, S. Barthelmy, N. Gehrels, H. Krimm, E.M. Del, Y. Evangelista, I. Lapshov, M. Rapisarda, A. Giuliani, F. Fuschino, M. Marisaldi, A. von Kienlin, G. Lichti and A. Rau: IPN triangulation of GRB080122. *GCN Circ.* 7211, 1 (2008).
- Immler, S., W. Pietsch, W. Kruse, M. Freyberg, M. Henze and H. Stiele: Swift Ultraviolet Detections of Four Novae in M31. *The Astronomer's Telegram* 1673, 1 (2008).
- Kann, D.A., U. Laux, S. Klose, S. Ertel and J. Greiner: GRB 080605: TLS RRM afterglow. *GCN Circ.* 7829, 1 (2008).
- Kouveliotou, C., P.N. Bhat, E. Bissaldi, M.S. Briggs, V. Connaughton, R. Diehl, G.J. Fishman, L. Gibby, J. Greiner, A.S. Hoover, A.J. van der Horst, R.M. Kippen, G.G. Lichti, C.A. Meegan, S. McBreen, W.S. Paciesas, R.D. Preece, H. Steinle, A. von Kienlin, M.S. Wallace and C.A. Wilson-Hodge: Soft gamma repeater Sgr 0501+4516: GBM detection of multiple bursts. *GCN Circ.* 8138, 1 (2008).
- Kruehler, T., A. Küpcü Yoldas, J. Greiner, C. Clemens, A. Yoldas and G. Szokoly: GRB 080411: GROND detection of optical afterglow candidate. *GCN Circ.* 7586, 1 (2008).
- Kruehler, T., F. Schrey, J. Greiner, A. Yoldas, C. Clemens, S. McBreen, A. Küpcü Yoldas and G. Szokoly: GRB 080804: GROND observations. *GCN Circ.* 8075, 1 (2008).
- Kruehler, T., F. Schrey, J. Greiner, C. Clemens, A. Yoldas, A. Küpcü Yoldas and G. Szokoly: GRB 080805: GROND

- detection of possible afterglow. GCN Circ. 8060, 1 (2008).
- Kruehler, T., J. Greiner and S. Klose: GRB 080727B: late VLT imaging. GCN Circ. 8074, 1 (2008).
- Kruehler, T., J. Greiner, A. Küpcü Yoldas, C. Clemens, A. Yoldas and G. Szokoly: GRB 080408: GROND detection of optical/NIR afterglow candidate. GCN Circ. 7581, 1 (2008).
- Kruehler, T., J. Greiner, A. Küpcü Yoldas, C. Clemens, A. Yoldas and G. Szokoly: GRB 080413B: GROND detection of afterglow in all bands. GCN Circ. 7599, 1 (2008).
- Kruehler, T., J. Greiner, C. Clemens, A. Yoldas, A. Küpcü Yoldas and G. Szokoly: GRB 080714: GROND confirmation of the optical/NIR afterglow. GCN Circ. 7984, 1 (2008).
- Kruehler, T., J. Greiner, F. Schrey, C. Clemens, A. Yoldas, A. Küpcü Yoldas and G. Szokoly: GRB 080727B: GROND redshift limit. GCN Circ. 8045, 1 (2008).
- Kruehler, T., J. Greiner, F. Schrey, G. Sala and C. Clemens: GRB 080723B: GROND upper limits. GCN Circ. 8079, 1 (2008).
- Kruehler, T., J. Greiner, S. McBreen, S. Loew, A. Küpcü Yoldas, C. Clemens and A. Yoldas: GRB 080120: GROND confirmation of the optical afterglow. GCN Circ. 7202, 1 (2008).
- Kruehler, T., S. Loew, J. Greiner, C. Clemens, A. Küpcü Yoldas and A. Yoldas: GRB 080129: GROND detection in all bands, and fading. GCN Circ. 7232, 1 (2008).
- Kruehler, T., S. Loew, J. Greiner, C. Clemens, A. Küpcü Yoldas and A. Yoldas: GRB 080129: GROND detection of the optical/NIR afterglow, and fading. GCN Circ. 7231, 1 (2008).
- Küpcü Yoldas, A., A. Yoldas, J. Greiner and S. Klose: GRB 080210: GROND detection in all bands and redshift upper limit. GCN Circ. 7283, 1 (2008).
- Küpcü Yoldas, A., A. Yoldas, J. Greiner, T. Kruehler and A. Rossi: GRB 080212: GROND detects afterglow. GCN Circ. 7303, 1 (2008).
- Küpcü Yoldas, A., A. Yoldas, J. Greiner, T. Kruehler, S. Klose and G. Szokoly: GRB 080207: GROND upper limits. GCN Circ. 7279, 1 (2008).
- Manousakis, A., V. Beckmann, V. Bianchin, S. Brandt, J. Chenevez, W. Hermsen, A. von Kienlin, R. Krivonos, M. Mas-Hesse, A. Parmar and V. Reglero: INTEGRAL hard X-ray detection of HMXB GX 304-1 and H 1417-624. The Astronomer's Telegram 1613, 1 (2008).
- McBreen, S., A. von Kienlin and E. Bissaldi: GRB080823: Fermi gamma-ray burst monitor detection. GCN Circ. 8145, 1 (2008).
- McBreen, S., and A. von Kienlin: GRB 081216: Fermi GBM detection. GCN Circ. 8680, 1 (2008).
- McBreen, S., E. Bissaldi and A. von Kienlin: GRB 080830: Fermi gamma-ray burst monitor detection. GCN Circ. 8167, 1 (2008).
- McBreen, S., E. Bissaldi and A. von Kienlin: GRB 080912: Fermi GBM detection. GCN Circ. 8235, 1 (2008).
- Meegan, C. and J. Greiner: First GLAST burst monitor GRB circulars. GCN Circ. 8096, 1 (2008).
- Meegan, C.A., J. Greiner, N.P. Bhat, E. Bissaldi, M.S. Briggs, V. Connaughton, R. Diehl, G.J. Fishman, L. Gibby, A.S. Hoover, A.J. van der Horst, A. von Kienlin, R.M. Kippen, C. Kouveliotou, G.G. Lichti, S. McBreen, W.S. Paciesas, R.D. Preece, H. Steinle, M.S. Wallace and C.A. Wilson-Hodge: GLAST burst monitor detection of GRB 080810. GCN Circ. 8100, 1 (2008).
- Ness, J.-U., S. Starrfield, R. Gonzalez, E. Kuulkers, J.P. Osborne, K. Page, G. Schwarz, K.M. Vanlandingham, J.J. Drake, M. Hernanz, G. Sala, A. Evans, N. Gehrels, P. Hauschildt, J. Krautter, R.D. Gehrz and C.E. Woodward: Second XMM/RGS spectrum of V2491 Cyg. The Astronomer's Telegram 1573, 1 (2008).
- Petry, D., W. Ishibashi, V. Beckmann and A. von Kienlin: INTEGRAL observations of Mrk 421. The Astronomer's Telegram 1507, 1 (2008).
- Pietsch, W., M. Freyberg, F. Haberl, M. Henze and H. Stiele: XMM-Newton detection of X-ray transients in M 31. The Astronomer's Telegram 1647, 1 (2008).
- Pietsch, W., M. Freyberg, M. Henze, H. Stiele and S. Immler: Swift detection of X-ray transients in M 31. The Astronomer's Telegram 1671, 1 (2008).
- Pietsch, W., V. Burwitz, J. Greiner, M. Henze and H. Stiele: Swift detection of a new bright X-ray transient in M 31. The Astronomer's Telegram 1674, 1 (2008).
- Rau, A., M.M. Kasliwal and V. Burwitz: Spectroscopic Identification of Nova M31 2008-05c. The Astronomer's Telegram 1568, 1 (2008).
- Reig, P., N. Primak, S. Akras, D. Hatzidimitriou, W. Pietsch and G. Papamastorakis: Optical spectra of Nova 2008-06b. The Astronomer's Telegram 1612, 1 (2008).
- Rossi, A., A. Küpcü Yoldas, J. Greiner, S. Klose, R. Filgas, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080514B, GROND observations. GCN Circ. 7722, 1 (2008).
- Rossi, A., A. Küpcü Yoldas, J. Greiner, S. Klose, R. Filgas, A. Yoldas, T. Kruehler and G. Szokoly: GRB 080514B:

- slow fading behaviour?. GCN Circ. 7724, 1 (2008).
- Rossi, A., C. Clemens, J. Greiner, A. Yoldas, T. Kruehler, R. Filgas, A.K. Yoldas and G. Szokoly: GRB 080928: GROND detection. GCN Circ. 8296, 1 (2008).
- Rossi, A., J. Greiner, A. Küpcü Yoldas and A. Yoldas: GRB 080218B: GROND upper limits. GCN Circ. 7319, 1 (2008).
- Rossi, A., J. Greiner, T. Kruehler, A. Yoldas, S. Klose and A.K. Yoldas: GRB 080913: GROND observation of a high-z optical/NIR afterglow candidate. GCN Circ. 8218, 1 (2008).
- Rossi, A., R. Filgas, T. Kruehler, J. Greiner, S. Klose, A. Küpcü Yoldas, A. Yoldas and G. Szokoly: GRB 080520, GROND observations. GCN Circ. 7756, 1 (2008).
- Rossi, A., T. Kruehler, J. Greiner, A. Yoldas, C. Clemens, R. Filgas, A.K. Yoldas and G. Szokoly: GRB 080915A: GROND upper limits. GCN Circ. 8268, 1 (2008).
- Rossi, A., T. Kruehler, J. Greiner, A. Yoldas, C. Clemens, R. Filgas, A.K. Yoldas and G. Szokoly: GRB 080916A: GROND lightcurve. GCN Circ. 8266, 1 (2008).
- Sala, G., J. Greiner, S. McBreen, T. Kruehler and P.M. Esquej: GRB 080723B: XMM-Newton observation. GCN Circ. 8078, 1 (2008).
- Saxton, R., A. Read, P. Esquej and M. Freyberg: XMMSL1 J152835.4+593754 - a new X-ray transient. The Astronomer's Telegram 1361, 1 (2008).
- Shafter, A.W., R. Ciardullo, V. Burwitz, M. Henze, W. Pietsch, P. Milne, K.A. Misselt, G. Williams, D.H. Hartmann, A. Updike, M.F. Bode and M.J. Darnley: Spectroscopy of M31N 2007-11g: Another Luminous Mira-like Variable in M31 Masquerading as a Nova. The Astronomer's Telegram 1851, 1 (2008).
- Stefanescu, A., N. Primak, F. Schrey, G. Kanbach, A. Slowikowska, H. Steinle, A. Updike and N. Lewandowski: GRB081102: OPTIMA-Burst optical upper limit. GCN Circ. 8463 (2008).
- Updike, A., S. Loew, J. Greiner, T. Kruehler, A. Küpcü Yoldas, A. Yoldas and G. Szokoly: GRB 080623: GROND upper limits. GCN Circ. 7902, 1 (2008).
- von Kienlin, A. and E. Bissaldi: GRB 081107: Fermi GBM detection. GCN Circ. 8494, 1 (2008).
- von Kienlin, A., E. Bissaldi, M.S. Briggs and C. Kouveliotou: GRB 081101 (or SGR 0623-0006 ): Fermi GBM detection GCN Circ. 8460, 1 (2008).
- von Kienlin, A. and E. Bissaldi: GRB 081021: Fermi GBM detection. GCN Circ. 8432, 1 (2008).
- von Kienlin, A. and E. Bissaldi: GRB 081025: Fermi GBM observation. GCN Circ. 8483, 1 (2008).
- von Kienlin, A. and E. Bissaldi: GRB 081102B: Fermi GBM detection. GCN Circ. 8496, 1 (2008).
- von Kienlin, A. and E. Bissaldi: GRB 081125: Fermi GBM detection. GCN Circ. 8553, 1 (2008).
- von Kienlin, A. and M.S. Briggs: AXP 1E1547.0-5408 (SGR 1550-5418): Fermi GBM detection. GCN Circ. 8315, 1 (2008).
- von Kienlin, A., E. Bissaldi and S. McBreen: GRB 080920: Fermi GBM detection. GCN Circ. 8290, 1 (2008).
- von Kienlin, A., N.P. Bhat, E. Bissaldi, M.S. Briggs, V. Connaughton, R. Diehl, G.J. Fishman, L. Gibby, J. Greiner, A.S. Hoover, A.J. van der Horst, R.M. Kippen, C. Kouveliotou, G.G. Lichti, C.A. Meegan, S. McBreen, W.S. Paciesas, R.D. Preece, H. Steinle, M.S. Wallace and C.A. Wilson-Hodge: New soft gamma repeater 0501+4516 (GRB 080822): GLAST burst monitor detection. GCN Circ. 8122, 1 (2008).
- von Kienlin, A., P.N. Bhat and C.A Wilson-Hodge: GRB 081009: Fermi GBM detection. GCN Circ. 8374, 1 (2008).
- von Kienlin, A., S. McBreen and E. Bissaldi: GLAST burst monitor detection of GRB080816. GCN Circ. 8107, 1 (2008).
- von Kienlin, A.: GRB 081109: Fermi GBM detection. GCN Circ. 8505, 1 (2008).
- von Kienlin, A.: GRB 081113: Fermi GBM detection. GCN Circ. 8521, 1 (2008).
- von Kienlin, A.: GRB 081129: Fermi GBM detection. GCN Circ. 8586, 1 (2008).
- von Kienlin, A.: GRB 081130: Fermi GBM detection. GCN Circ. 8592, 1 (2008).
- von Kienlin, A.: GRB 081206: Fermi GBM detection. GCN Circ. 8640, 1 (2008).
- von Kienlin, A.: GRB 081206B: Fermi GBM detection. GCN Circ. 8641, 1 (2008).



## Poster

- Andritschke, R. et al.: Data Analysis for Characterizing pnCCDs, The 2008 IEEE Nuclear Science Symposium and Medical Imaging Conference, Dresden, Germany, October 2008.
- Antonova, T. et al.: Manipulation by dust particles in plasma discharge, 35th EPS Plasma Physics Conference, Hersonissos, Crete, Greece, June 2008.
- Bissaldi, E. et al.: Fermi Gamma-Ray Burst Monitor: Main detector-level calibration results, The Sixth Huntsville Gamma-Ray Burst Symposium 2008, Huntsville, USA, October 2008.
- Bissaldi, E. et al.: Spectral analysis of GRB 080810 detected by Fermi GBM and Swift BAT, The Sixth Huntsville Gamma-Ray Burst Symposium 2008, Huntsville, USA, October 2008.
- Blagau, A., et al.: A comparison between standard and constrained minimum variance analysis at the magnetopause with Cluster, Cluster - THEMIS Science Workshop, University of New Hampshire, Durham, NH, USA, September, 2008.
- Boller, Th.: X-ray photoionized AGN plasma diagnostics modelling for IXO, Exploring the hot universe with IXO, Garching, Germany, September 2008.
- Bongiorno, A. et al.: Optically selected type-2 AGN: Preliminary results from zCOSMOS data, The central kiloparsec: Active Galactic Nuclei and their Hosts, Crete, Greece, June 2008.
- Bunescu, C. et al.: Investigation of the auroral current-voltage relationship in upward current regions with FAST and Cluster spacecraft, 15th Cluster workshop, Tenerife, Spain, March 2008.
- Burwitz V. et al.: Optical identification of XMM-Newton detected sources in the Lockman Hole, The X-ray Universe 2008, Granada, Spain, May 2008.
- Burwitz V. et al.: Deep multi-band optical imaging with the LBT, The X-ray Universe 2008, Granada, Spain, May 2008.
- Chaudhuri, M. et al.: Ion drag force on an absorbing grain in highly collisional plasma in the presence of plasma production and loss processes, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Dodds-Eden, K. et al.: Multiwavelength Observations of a Bright Sgr A\* Flare, 24th Texas Symposium on Relativistic Astrophysics, Vancouver, Canada, December 2008.
- Fassbender, R. et al.: Building a  $z \geq 1$  X-ray Selected Galaxy Cluster Sample for Cosmic Evolution Studies - The XMM-Newton Distant Cluster Project, The X-ray Universe 2008, Granada, Spain, May 2008.
- Fassbender, R. et al.: Using Distant X-ray Luminous Galaxy Clusters as Dark Energy Probes, Dark Energy, Munich, Germany, October 2008.
- Friedrich, S. et al.: The dynamic centre of the Seyfert Galaxy NGC 2992, Jenam 2008, Vienna, Austria, September 2008.
- Genel, S. et al.: The Role of Major Mergers in Galaxy Formation: Insight from the Millennium Simulation and Comparison to Observation, Galactic Structure and the Structure of Galaxies, Ensenada, Mexico, March 2008.
- Haberl, F. et al.: Be/X-ray binaries in the SMC seen with XMM-Newton, IAU Symposium 256, The Magellanic System: Stars, Gas, and Galaxies, Keele, UK, July 2008.
- Henze, M. et al.: Supersoft X-ray sources in M 31 Globular Clusters, The X-ray Universe 2008, Granada, Spain, May 2008.
- Huber, P. et al.: Measurements towards 3d structures of electrorheological plasmas, 35th European Physical Society Conference on Plasma Physics, Hersonissos, Crete, Greece, June 2008.
- Huber, P.: Growth and melting of 3-D plasma crystals, MPE - DLR Workshop, Garching, Germany, November 2008.
- Khrapak, S. A. et al.: Superfluid-like motion of a small absorbing body in a collisional plasma, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Kompaneets, R. et al.: Screening of a charged dust particle in the rf plasma-wall transition layer, 35th European Physical Society Conference on Plasma Physics, Hersonissos, Crete, Greece, June 2008.
- Kompaneets, R. et al.: Linear shielding of a point charge in a plasma with drifting ions, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Konopka, U. et al.: PlasmaLab: The Future of Complex Plasma Space Experiments on the ISS, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Kretschmer, M. et al.: Self-Organization Effects in Complex Plasmas: Lane Formation and Beyond, 5th

- International Conference on Physics of Dusty Plasmas (ICPDP), Ponta Delgada, Portugal, May 2008.
- Marghitu, O., et al.: Auroral electrodynamics in the Harang region, EGU General Assembly, Vienna, Austria, April 2008.
- Marghitu, O., et al.: New results on 3D current topology in the Harang region and prospects for KuaFu, 3rd International symposium on KuaFu project, Kunming, China, September 2008.
- Mokler, F. et al.: Charging Clouds in Brown Dwarfs, National Astronomy Meeting, NAM, Belfast, UK, April 2008.
- Mokler, F. et al.: Lightning in Brown Dwarfs, Cosmic Dust - Near and Far, Heidelberg, Germany, September 2008.
- Mokler, F.: Lightning in Brown Dwarfs, Cool Stars 15, St Andrews, UK, July 2008.
- Monetti, R. et al.: Characterizing Synchronization in Time Series using Information Measures Extracted from Symbolic Representations, XVI Conference on Nonequilibrium Statistical Mechanics & Nonlinear Physics, Punta del Este, Uruguay, December 2008.
- Monetti, R. et al.: Strength through structure: visualization and local assessment of the trabecular bone structure, XVI Conference on Nonequilibrium Statistical Mechanics & Nonlinear Physics, Punta del Este, Uruguay, December 2008.
- Monetti, R. et al.: Studying the effect of noise on the performance of 2D and 3D texture measures for quantifying the trabecular bone structure as obtained with high resolution MR imaging at 3 Tesla, SPIE Conference on Medical Imaging, San Diego, USA, February 2008.
- Montesano, F. et al.: BAO distortions in the Non Linear Power Spectrum, 3rd Leopoldina Conference on Dark Energy, Munich, Germany, October 2008.
- Mühlegger, M. et al.: Prospects for the eROSITA Cluster Survey, 3rd Biennial Leopoldina Conference on Dark Energy, Munich, Germany, October 2008.
- Müller, T.G. et al.: Herschel Open Time Key Programme: TNOs are Cool: A Survey of the Transneptunian Region, Asteroids, Comets, Meteors 2008, Baltimore, USA, July 2008.
- Müller, T.G. et al.: Herschel Open Time Key Programme: TNOs are Cool: A Survey of the Transneptunian Region, Europlanet (EPSC2008), Münster, Germany, September 2008.
- Müller, T.G. et al.: Herschel Open Time Key Programme: TNOs are Cool: A Survey of the Transneptunian Region, Future Ground-Based Solar System Research: Synergies With Space Probes And Space Telescope, Isola d'Elba, Livorno, Italy, September 2008.
- Nowak, N. et al.: Black holes in low- and high-mass bulges and pseudobulges, 24th Texas Symposium on Relativistic Astrophysics, Vancouver, Canada, December 2008.
- Nowak, N. et al.: Black holes in low-mass bulges and pseudobulges, The central kiloparsec - Active Galactic Nuclei and their hosts, Ierapetra, Crete, Greece, June 2008.
- Orlando, E. et al.: Gamma-ray Emission from the Sun: A Study with EGRET Data and Perspectives for GLAST, American Astronomical Society, HEAD meeting, Los Angeles, USA, March, 2008.
- Pietsch, W. et al.: [PMH2004] 47: The second eclipsing high mass X-ray binary in M 33, The X-ray Universe 2008, Granada, Spain, May 2008.
- Pustyl'nik, M. et al.: Damping of the oscillations of the dust particles levitating in a plasma at very low neutral pressures, Fifth International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Pustyl'nik, M. et al.: Effect of High-Voltage Nanosecond Pulses on Dust Particles levitating in a Plasma, International Congress on Plasma Physics, Fukuoka, Japan, May 2008.
- Pustyl'nik, M. et al.: High-voltage nanosecond pulses induced dynamics of the dust particles levitating in a plasma, Fifth International Conference on Physics of Dusty plasmas, Ponta Delgada, Portugal, May 2008.
- Raeth, C. et al.: Analysis methods for describing phase transitions in electrorheological (ER) plasmas, Fifth International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Raeth, C. et al.: Model-independent tests for scale-dependent non-Gaussianities in the CMB, 3rd Biennial Leopoldina Conference on Dark Energy, Munich, Germany, October 2008.
- Schwabe, M. et al.: Dust Waves in Complex Plasmas under Microgravity Conditions, 35th EPS Plasma Physics Conference, Hersonissos, Greece, June 2008.
- Schwabe, M. et al.: Waves In Complex Plasmas: From "Hypergravity" To Microgravity, Fifth International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Snigula, J. et al.: AGB stars in Local Group Dwarf Irregular Galaxies - Using LPVs and the Fuel Consumption Theorem as tracers of the stellar population, IAU Symposium 258: The Ages of Stars, Baltimore, USA, October 2008.

- Snigula, J. et al.: AGB Stars in metal-poor dwarf galaxies - LPVs and the fuel consumption theorem as tracers of stellar populations, The MPA/ESO/MPE/USM 2008 Joint Astronomy Conference - Chemical Evolution of Dwarf Galaxies and Stellar Clusters, Munich, Germany, July 2008.
- Snigula, J. et al.: AGB stars in metal-poor dwarf galaxies - LPVs and the Fuel Consumption theorem as tracers of stellar populations, IAU Symposium 255 Low-Metallicity Star Formation: From the First Stars to Dwarf Galaxies, Rapallo, Italy, June 2008.
- Snigula, J. et al.: The photometric classification client for PanStarrs1, ADASS XVIII, Quebec, Canada, November 2008.
- Strateva, I. et al.: The X-ray point-source population of NGC 1365, Putting Gravity to Work: from black holes to galaxy clusters, Cambridge, UK, July 2008.
- Thoma, M.H.: PK-4: Complex Plasmas in Space - the next Generation, Fifth International Conference on Physics of Dusty Plasmas, Ponta Delgada, Azores, Portugal, May 2008.
- von Kienlin, A. et al.: Using GRB080723B to cross-calibrate Fermi/GBM and INTEGRAL, The Sixth Huntsville Gamma-Ray Burst Symposium 2008, Huntsville, USA, October 2008.
- Wieprecht, E. et al.: The Herschel/Pacs Photometer Pipeline, Astronomical Data Analysis Software & Systems XVIII (ADASS Conference Series), Quebec City, Canada, November 2008.
- Yaroshenko, V.V. et al.: The Wave Mechanism of Spoke Formation in Saturn's Rings, Fifth International Conference on the Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Zhdanov, S. et al.: Dislocation Nucleation in 2D Plasma Crystals, 19th European Conference on the Atomic and Molecular Physics of Ionized Gases (ESCAMPIG 2008), Granada, Spain, July 2008.
- Zhdanov, S. et al.: Dust Density Waves in Complex Plasmas, EGU General Assembly 2008, Vienna, Austria, April 2008.
- Zuther, J. et al.: A low-z benchmark for scenarios linking type-1 QSO hosts with galaxy evolution, JENAM 2008, Vienna, Austria, September 2008.
- Zuther, J. et al.: The host galaxies of X-raying AGN: Using the Virtual Observatory to search for AO/interferometry suitable targets, JENAM 2008, Vienna, Austria, September 2008.

## Vorträge

- Aschenbach, B.: 21 years - living next door to SN 1987A, invited talk, Frontier Objects in Astrophysics and Particle Physics, Vulcano, Italy, May 2008.
- Aschenbach, B.: Realisation of X-ray telescopes - from design to performance, invited talk, 400 Years of Astronomical Telescopes: A Review of History, Science and Technology, Noordwijk, The Netherlands, October 2008.
- Aschenbach, B.: Unification of geometric and diffractive scattering from random rough surfaces, contributed talk, Meeting of the Society of Photo-Optical Instrumentation Engineers, San Diego, USA, August 2008.
- Bartko, H.: Detailed Statistical Analysis of the Properties of the Stellar Disks in the Galactic Center, contributed talk, Astronomy at the Highest Resolution 2008, Bad Honnef, Germany, April 2008.
- Bartko, H.: Microarcsecond Astrometry with GRAVITY, invited talk, VLTI Summer School, Keszthely, Hungary, June 2008.
- Becker, W.: Future optical and X-ray facilities for pulsar studies, colloquium, MAGIC Science Meeting, Bad Aibling, Germany, April 2008.
- Becker, W.: Gravitational Waves and their detection, colloquium, San Diego State University, San Diego, USA, April 2008.
- Becker, W.: Neutron Stars, Supernova Remnants and eROSITA, colloquium, Sabanci University, Istanbul, Turkey, October 2008.
- Becker, W.: Neutronensterne, Pulsare und Supernovaüberreste, colloquium, Förderkreis Planetarium Göttingen e.V., Germany, March 2008.
- Becker, W.: Pulsars, to be studied with SIMBOL-X, invited talk, European Pulsar Timing Array Meeting, Bad Honnef, Germany, January 2008.
- Becker, W.: X-ray emission properties of pulsars, invited talk, ASTRONS Meeting, Istanbul, Turkey, July 2008.
- Becker, W.: X-ray emission properties of rotation-powered pulsars, contributed talk, 10th HEAD Meeting, Los Angeles, USA, April 2008.

- Bender, R.: Photometric Redshifts, invited talk, KIDS/DUEL Meeting, Leiden, the Netherlands, February 2008.
- Bender, R.: The supermassive black hole in M31, colloquium, Sterrewacht Leiden, The Netherlands February 2008.
- Bender, R.: Perspectives in optical and near-infrared instrumentation, invited talk, Ringberg meeting on surveys, Ringberg, Germany, May 2008.
- Bender, R.: The Formation of Galaxies, Stars and Planets, invited talk, Symposium on Basic Research in Space, Bayrisches Wirtschaftsministerium, München, Germany, June 2008
- Bender, R.: Dark Matter and Dark Energy, invited talk, Physics Faculty Meeting, Salzburg, Austria, July 2008.
- Bender, R.: Dark Energy, public talk, Munich Science Days, München, Germany, October 2008.
- Berta, S.: ESIS: The ESO-Spitzer wide-area Imaging Survey, invited talk, ESO workshop on large programmes, Garching, Germany, October 14th, 2008.
- Berta, S.: High redshift massive galaxies: the SWIRE view, colloquium, IASF: Istituto di Astrofisica Spaziale e Fisica Cosmica, Milano, Italy, December 2008.
- Berta, S.: High redshift massive galaxies: the SWIRE view, colloquium, MPA Cosmology Seminar, Garching, Germany, April, 2008.
- Bhattacharya, B.: Asteroid Lightcurves: Spitzer/TMO Observations and Thermal Modeling, contributed talk, Asteroids, Comets Meteors 2008, Baltimore, USA, July 2008.
- Bissaldi, E.: On-ground calibration of the GLAST Burst Monitor detectors, contributed talk, AGADE Workshop, Garching, Germany, June 2008.
- Bissaldi, E.: RMFIT at work: Examples of GRB analysis, contributed talk, Fermi/LAT Collaboration Meeting, Stanford, USA, March 2008.
- Blagau, A.: Addressing open questions on MHD reconnection tests at the magnetopause with CIS, CIS Cluster/HIA Double Star/RAPID Cluster Joint Team Meeting and Solar Wind-Magnetosphere interaction Workshop, contributed talk, Venice, Italy, October, 2008.
- Blagau, A.: The magnetopause as a rotational discontinuity: open issues on MHD reconnection tests, contributed talk, EGU General Assembly, Vienna, Austria, April 2008.
- Blagau, A.: Timing technique for determining the macroscopic characteristics of a 2D, non-planar magnetopause, contributed talk, 15th Cluster workshop, Tenerife, Spain, March, 2008.
- Boller, Th.: Anfang und Ende des Universums, public talk, Max-Planck-Hauptversammlung Schulvorträge, Dresden, Germany, June 2008.
- Boller, Th.: Anfang und Ende des Universums, public talk, Max-Planck-Hauptversammlung, Schulvorträge, Brand-Erbisdorf, Germany, June 2008.
- Boller, Th.: Anfang und Ende des Universums, public talk, Max-Planck-Hauptversammlung, Schulvorträge, Pirna, Deutschland, June 2008.
- Boller, Th.: Die wahre Geschichte des Sterns von Bethlehem, public talk, Evangelische Kirche Judenbach, Germany, December 2008.
- Boller, Th.: Die wahre Geschichte des Sterns von Bethlehem, public talk, Lions Club Fürstenfeldbruck, Germany, December 2008.
- Boller, Th.: Die wahre Geschichte des Sterns von Bethlehem, public talk, Vortrag bei Lions Club Munich Mariott Hotel, Germany, November 2008.
- Boller, Th.: Hyper Soft Quasars, colloquium, Colloquium of the Department of Astronomy, University of Padova, Italy, May 2008.
- Boller, Th.: On the unusual SED of the quasar HB89 0102-272, contributed talk, Simbol-X Meeting, Paris, France, December 2008.
- Boller, Th.: Photoionized Plasma Diagnostics for XEUS, contributed talk, The X-ray universe 2008, Granada, Spain, May 2008.
- Boller, Th.: Über Irrtümer, „wishful thinking“ und gesichertes Wissen der Astrophysik, public talk, Astronomie Lehrerweiterbildung, Jena, Germany, July 2008.
- Boller, Th.: Über Irrtümer, gesichertes Wissen der Astrophysik und ‚wishful thinking‘, public talk, Max-Planck-Hauptversammlung Schulvorträge, Dresden, Germany, June 2008.
- Bongiorno, A.: The type-2 AGN luminosity function: results from COSMOS, contributed talk, Multi-wavelength survey, Bologna, Italy, September 2008.
- Bongiorno, A.: Type-2AGN population from the zCOSMOS survey, contributed talk, Active Galactic Nuclei 8, Turin, Italy, May 2008.
- Bongiorno, A.: Type-2 AGN population from the zCOSMOS survey, contributed talk, COSMOS meeting, Paris, France, June 2008.
- Bouché, N.: A SIMPLE way to study starbursts at  $z=1$  and beyond, colloquium, Department of Physics and Astronomy, Tel Aviv University, Israel, May 2008.



- Bouché, N.: A SIMPLE way to study starbursts at  $z=1$  and beyond, contributed talk, HST after servicing mission 4, Bologna, Italy, January 2008.
- Bouché, N.: Are strong MgII absorbers a signature of outflows, contributed talk, The Role of Disk-Halo Interaction in Galaxy Evolution: Outflow vs Infall?, Espinho, Portugal, August 2008.
- Bouché, N.: Galaxies with high-star formation rates at  $z=2$ , contributed talk, Galaxy Evolution workshop, Hebrew University, Jerusalem, Israel, June 2008.
- Bouché, N.: Galaxy formation from 3D spectroscopy, colloquium, Laboratoire d'Astrophysique de Toulouse-Tarbes, Toulouse, France, April 2008.
- Bouché, N.: What is driving star formation at high- $z$ ? Insights from scaling relations, colloquium, Observatoire de Paris, Meudon, Paris, France, November 2008.
- Bouché, N.: What is driving star formation at high- $z$ ?, colloquium, European Southern Observatory, Santiago, Chile, September 2008.
- Bouché, N.: What is driving star formation at high- $z$ ?, colloquium, Observatoire Astronomique de Marseille-Provence, Marseille, France, August 2008.
- Bouché, N.: SINFONI and CO observations of high-redshift galaxies, invited talk, „Gas and Stars in galaxies – A 3D perspective“, Garching, Germany, June 2008.
- Brusa, M.: AGN at high and very high redshifts, invited talk, 2nd eROSITA meeting, Bamberg, Germany, October 2008.
- Brusa, M.: Evolution of Supermassive Black Holes from large area X-ray surveys, invited talk, 8th Italian National Congress on AGN, Turin, Italy, May 2008.
- Brusa, M.: Obscured AGN from MIR surveys, contributed talk, Aspen Center for Physics - Summer workshop, Aspen, USA, July 2008.
- Brusa, M.: The high-redshift AGN population in XMM-COSMOS, contributed talk, The X-ray Universe 2008, Granada, Spain, May 2008.
- Brusa, M.: The host galaxies of obscured AGN in the CDFS, contributed talk, The starburst-AGN connection, Shanghai, China, October 2008.
- Brusa, M.: The population of high- $z$  AGN from XMM-COSMOS, contributed talk, COSMOS meeting, Paris, France, June 2008.
- Brusa, M.: X-ray selected, high-redshift quasars, colloquium, Penn State University, State College, USA, August 2008.
- Brusa, M.: X-raying the COSMOS, colloquium, Osservatorio Astronomico di Bologna, Italy, June 2008.
- Burwitz, V.: Beobachtung und Interpretation von Röntgenstrahlung akkretierender weisser Zwerge, colloquium, TU Berlin, Germany, January 2008.
- Burwitz, V.: Chandra und XMM-Newton Beobachtungen akkretierender weisser Zwerge, colloquium, Dr. Remeis Sternwarte Bamberg, Germany, February 2008.
- Burwitz, V.: X-ray observations of accreting white dwarfs, colloquium, Sharif University Tehran, Iran, March 2008.
- Burwitz, V.: Cross-calibration results from observations of the INS RX J1856, and the WDs HZ 43 and Sirius B, contributed talk, IACHEC Meeting, Schloss Ringberg, Germany, May 2008.
- Cappelluti, N.: AGN in Galaxy clusters, colloquium, Smithsonian Center for Astrophysics, Boston, USA, March 2008.
- Cappelluti, N.: The Environment of AGN: Highlights from The Cosmos Survey, colloquium, Space Telescope Science Institute, Baltimore, USA, March 2008.
- Cappelluti, N.: The XMM and Chandra COSMOS survey, colloquium, California Institute of Technology, Pasadena, USA, April 2008.
- Cappelluti, N.: The XMM-COSMOS survey, colloquium, INAF-Osservatorio Astronomico di Bologna, Italy, October 2008.
- Cappelluti, N.: The XMM-COSMOS wide field survey in the COSMOS field, contributed talk, COSMOS meeting, Paris, France, June 2008.
- Cappelluti, N.: X-ray survey, colloquium, UNAM-Ensenada, Ensenada, Mexico, May 2008.
- Collmar, W.: Gamma-Ray Lightcurves and GROND Spectra of the Blazars 3C 279 and PKS 0208-512, contributed talk, Fermi Collaboration Meeting, Stanford, USA, September 2008.
- Cresci, G.: Processing and visualizing 3D near infrared data, invited talk, Gas and Stars in Galaxies - A Multi-Wavelength 3D Perspective, Garching, Germany, June 2008.
- Cresci, G.: The infrared SN rate, invited talk, Supernova Rates 2008, Florence, Italy, May 2008.
- Das, P.D.: The orbital structure of the massive elliptical galaxy NGC 5846, contributed talk, Galactic & Stellar Dynamics in the Era of High Resolution Surveys, Strasbourg, France, March 2008.
- Davies, R.: Exploring the Starburst-AGN Connection on 10pc Scales with Adaptive Optics, colloquium, University

- of California, Santa Cruz and the Center for Adaptive Optics, Santa Cruz, USA, March 2008.
- Davies, R.: Exploring the Starburst-Torus-AGN Connection on 10pc Scales with Adaptive Optics, colloquium, ETH, Zurich, Switzerland, November 2008.
- Davies, R.: Exploring the Starburst-Torus-AGN Connection on 10pc Scales with Adaptive Optics, colloquium, IPAC, Caltech, Pasadena, USA, November 2008.
- Davies, R.: Exploring the Starburst-Torus-AGN Connection on 10pc Scales with Adaptive Optics, colloquium, University of Tel Aviv, Israel, March 2008.
- Davies, R.: MICADO: the adaptive optics imaging camera for the E-ELT, contributed talk, Science with AO fed instruments on large telescopes, Anglo-Australian Observatory, Dunk Island, Australia, April 2008.
- Davies, R.: Observations of AGN with Adaptive Optics, invited talk, Anglo-Australian Observatory, Dunk Island, Australia, April 2008.
- Davies, R.: MICADO: the adaptive optics imaging camera for the E-ELT, contributed talk, Detector Workshop, Oxford, UK, June 2008.
- de Vita, G.: Integrated Front-End Readout Electronics and Analog Filtering Strategies for DEPFETs with Special Functionalities, contributed talk, IEEE Nuclear Science Symposium, Dresden, Germany, October 2008.
- Dennerl, K.: eROSITA Calibration, contributed talk, 3rd IACHEC Meeting, Ringberg, Germany, May 2008.
- Dennerl, K.: eROSITA/TRoPIC Detector Calibration, contributed talk, 2nd eROSITA Consortium Meeting, Bamberg, Germany, October 2008.
- Diehl, R.:  $^{26}\text{Al}$  Emission throughout the Galaxy, contributed talk, Astronomy with Radioactivities VI., Schloss Ringberg, Germany, January 2008.
- Diehl, R.: Abundance Constraints on Nuclei in the Cosmos: Principles and Methods, invited talk, JINA School on Nuclei in the Cosmos, Argonne, USA, July 2008.
- Diehl, R.: Cosmic Gamma-Rays: Measuring Radioactive Isotopes in the Universe, colloquium, Kolloquium Dep. of Physics & Astronomy, Clemson, USA, August 2008.
- Diehl, R.: Future instrumentation and prospects for astrophysics with  $^{60}\text{Fe}$ , contributed talk, Workshop of Universe Cluster on „Astrophysics with  $^{60}\text{Fe}$ “, Garching, Germany, July 2008.
- Diehl, R.: Gamma-Ray Astronomy, invited talk, 4th VISTARS Workshop, Russbach, Austria, March 2008.
- Diehl, R.: Gamma-Ray Bursts, invited talk, Symposium „Symmetries and Phases in the Universe“, Irsee, Germany, June 2008.
- Diehl, R.: In-Orbit Instrument Performances and Extraction of Astronomical Information, contributed talk, Workshop on Advanced Gamma-Ray Detectors, Garching, Germany, June 2008.
- Diehl, R.: INTEGRAL and Gamma-Ray Lines from Cosmic Nucleosynthesis, contributed talk, 10th Int. Conference „Nuclei in the Cosmos“, MacKinnac Island, USA, August 2008.
- Diehl, R.: Lessons from Gamma-Ray Line Observations with INTEGRAL, contributed talk, 14th. Nuclear Astrophysics Workshop, Schloss Ringberg, Germany, March 2008.
- Diehl, R.: Measuring Cosmic Elements with Gamma-Ray Telescopes, contributed talk, Workshop „Origin of Elements Heavier than Fe“, Torino, Italy, September 2008.
- Diehl, R.: Measuring Radioactive Nuclei in the Universe, colloquium, Physikalisches Kolloquium TU, Dresden, Germany, June 2008.
- Diehl, R.: Nuclear Astrophysics with Cosmic Gamma-Rays, invited talk, 8th International Conference on Particles and Nuclei (PANIC08), Eilat, Israel, November 2008.
- Diehl, R.: Particle Acceleration in Astrophysics, invited talk, Int. Workshop „Extreme Light Infrastructure“, Frauenchiemsee, Germany, September 2008.
- Diehl, R.: Positron Annihilation Emission, invited talk, 7th INTEGRAL Science Workshop „Compact Objects“, Copenhagen, Denmark, September 2008.
- Diehl, R.: Why  $^{60}\text{Fe}$  is interesting for nuclear astrophysics, contributed talk, Workshop of Universe Cluster on „Astrophysics with  $^{60}\text{Fe}$ “, Garching, Germany, July 2008.
- Eisenhauer, F.: 3D spectroscopy with adaptive optics, invited talk, SPIE Astronomical Instrumentation, Marseille, France, June 2008.
- Eisenhauer, F.: An Update on the Galactic Center black hole: From the stars to the event horizon, from adaptive optics with NACO/SINFONI to interferometry with GRAVITY, colloquium, TU Munich, Garching, Germany, July 2008.
- Eisenhauer, F.: GRAVITY: Microarcsecond astrometry and deep interferometric imaging with the VLT, invited talk, The Universe under the Microscope, Bad Honnef, Germany, April 2008.
- Eisenhauer, F.: High Angular Resolution Astronomy with Adaptive Optics and Interferometry, invited talk, Ringvorlesung: Methoden und Instrumentierung in der

- Kern-, Teilchen- und Astrophysik, TUM-Exzellenzcluster „Origin and Structure of the Universe“, Garching, Germany, January 2008.
- Fassbender, R.: Distant X-ray Luminous Galaxy Clusters from the XMM-Archive, contributed talk, XMM XXL Survey Workshop, Paris, France, April 2008.
- Fassbender, R.: New X-ray Luminous Galaxy Clusters at  $z \geq 1$  and their Galaxy Populations, colloquium, Center for Astrophysics (CfA), Cambridge, USA, November 2008.
- Fassbender, R.: New X-ray Luminous Galaxy Clusters at  $z \geq 1$  and their Galaxy Populations, colloquium, Department of Astronomy, University of Bologna, Italy, December 2008.
- Fassbender, R.: New X-ray Luminous Galaxy Clusters at  $z \geq 1$  and their Galaxy Populations, colloquium, Department of Astronomy, University of Illinois at Urbana/Champaign, USA, November 2008.
- Fedl, V.: Investigation of Single Pixel DePMOSFETs under cryogenic conditions, contributed talk, IEEE Conference, Dresden, Germany, October 2008.
- Förster Schreiber, N.M.: Kinematics of High Redshift Galaxies, invited talk, Galactic Structure and the Structure of Galaxies, Ensenada, Mexico, March 2008.
- Förster Schreiber, N.M.: Latest results from the SINS survey, invited talk, Galaxy evolution from mass-selected samples, Leiden, The Netherlands, January 2008.
- Förster Schreiber, N.M.: Resolving the Dynamics and Physical Properties of  $z \sim 2$  Galaxies, colloquium, Zentrum für Astronomie, Universität Heidelberg, Germany, October 2008.
- Förster Schreiber, N.M.: SED Modeling: Update, invited talk, Galaxy evolution from mass-selected samples, Leiden, The Netherlands, January 2008.
- Förster Schreiber, N.M.: SINS: Watching Galaxies Grow, colloquium, Padova Observatory, Italy, June 2008.
- Förster Schreiber, N.M.: SINS: Watching Galaxies Grow, invited talk, Meeting of the Computational Astrophysics Group of the Universitätssternwarte München, Schliersee, Germany, February 2008.
- Förster Schreiber, N.M.: The SINS survey of high redshift star-forming galaxies, invited talk, Conference: Gas and Stars in Galaxies - a Multi-wavelength 3D Perspective, Garching, Germany, June 2008.
- Förster Schreiber, N.M.: The SINS Survey of  $z \sim 2$  Star-forming Galaxies, invited talk, Bi-Annual meeting of the AEGIS Team, London, UK, May 2008.
- Förster Schreiber, N.M.: The SINS survey: New Insights on Galaxy Growth, colloquium, Geneva Observatory, Sauvergnay, Switzerland, July 2008.
- Förster Schreiber, N.M.: The SINS survey: New Insights on Galaxy Growth, invited talk, Department of Physics and Astronomy, University of California, Los Angeles, USA, October 2008.
- Genel, S.: Mass accretion and merger rates in galaxy assembly: insights from the Millennium Simulation, invited talk, Astro Seminar, Department of Astronomy and Astrophysics, Tel Aviv University, Israel, December 2008.
- Genel, S.: Mass accretion and merger rates in galaxy assembly: insights from the Millennium Simulation, invited talk, Astrophysics Seminar, The Racah Institute of Physics, The Hebrew University of Jerusalem, Israel, December 2008.
- Genel, S.: Mergers and Mass Accretion Rates in Galaxy Assembly: The Millennium Simulation Compared to Observations of  $z \sim 2$  Galaxies, contributed talk, Galaxy Evolution: Emerging Insights and Future Challenges, The University of Texas, Austin, USA, November 2008.
- Genel, S.: The Role of Mergers in galaxy formation: Insights from the Millennium Simulation, invited talk, USM Group Outing, Munich, Germany, February 2008.
- Genzel, R.: The Galactic Center: A Unique Laboratory for Studying Fundamental Physical Processes Near Black Holes, invited talk, ESO Workshop on Large Programmes, ESO Garching, Germany, October 2008.
- Genzel, R.: Zooming in on the Galactic Center, invited talk, 400 Years of Astronomical Telescopes A Review of History, Science and Technology, ESA-ESTEC, Noordwijk, The Netherlands, September 2008.
- Genzel, R.: The Massive Black Hole at the Center of the Milky Way, invited talk, Annual Meeting of the Belgian Physical Society, Brussels, Belgium, May 2008.
- Genzel, R.: Applying AO for Studying the Center of the Milky Way, colloquium, University of California, Berkeley, USA, February 2008.
- Genzel, R.: Black Holes, invited talk, Festkolloquium zu Ehren von Prof. Joachim Trümper anlässlich seines 75. Geburtstag, MPE, Garching, Germany, July 2008
- Genzel, R.: Evidence for Rapid Secular Galaxy Evolution at  $z \sim 2$ , invited talk, Santa Cruz Galaxy Workshop, Santa Cruz, USA, August 2008.
- Genzel, R.: From Rings to Bulges: Secular Evolution of Galaxy Disks at high- $z$ , colloquium, University of California, Berkeley, USA, February 2008.

- Genzel, R.: Future Science with AO, Science with AO-fed Instruments on Large Telescopes, invited talk, Dunk Island, Australia, April 2008.
- Genzel, R.: Massive Black Holes and Galaxies, invited talk, Sackler Lecture, Institute of Astronomy, Cambridge, UK, November 2008.
- Genzel, R.: Massive Black Holes and Galaxies, public talk, Kavli Institute for Astronomy and Astrophysics, Peking, China, November 2008.
- Genzel, R.: Massive Black Holes and Galaxies, invited talk, Shaw Prize Lecture in Astronomy, Hong Kong, China, September 2008.
- Genzel, R.: Massive Black Holes, colloquium, University of California, Berkeley, USA, February 2008.
- Genzel, R.: Secular Galaxy Evolution and Bulge Formation at  $z \sim 2$ , colloquium, Kavli Institute for Astronomy and Astrophysics, Peking, China, November 2008.
- Genzel, R.: Secular Galaxy Evolution and Bulge Formation at  $z \sim 2$ , invited talk, The Starburst-AGN Connection, Shanghai Normal University, China, October 2008.
- Genzel, R.: Spatially Resolved Dynamics of High- $z$  Star Forming Galaxies, colloquium, Columbia University, USA, April 2008.
- Genzel, R.: Spatially Resolved Dynamics of High- $z$  Star Forming Galaxies, invited talk, IAU Symposium 254 "The Galaxy Disk in Cosmological Context", Copenhagen, Denmark, June 2008.
- Genzel, R.: Spatially Resolved Dynamics of High- $z$  Star Forming Galaxies, invited talk, SPIE Conference 7015 "Adaptive Optics Systems", Marseille, France, June 2008.
- Genzel, R.: Spatially-resolved dynamics and star formation at high redshift, invited talk, Galaxies in Real Life and Simulations, Leiden, The Netherlands, September 2008.
- Genzel, R.: The Black Hole at the Galactic Center, colloquium, Tel Aviv University, Tel Aviv, Israel, June 2008.
- Genzel, R.: The Black Hole at the Galactic Center, invited talk, 24th Texas Symposium on Relativistic Astrophysics, Vancouver, Canada, December 2008.
- Genzel, R.: The Black Hole in the Center of Our Galaxy, colloquium, Paul Scherrer Institute (PSI), Villigen, Switzerland, May 2008.
- Genzel, R.: The Conference Summary Comments, invited talk, Dunk Island, Australia, April 2008.
- Genzel, R.: The Massive Black Hole at the Center of the Milky Way, invited talk, Bishop Lecture, Columbia University, New York, USA, April 2008.
- Genzel, R.: The Massive Black Hole at the Center of the Milky Way, colloquium, Princeton, USA, April 2008.
- Genzel, R.: The Nuclear Star Cluster and Central Massive Black Hole, Putting Gravity to Work - From Black Holes to Galaxy Clusters, invited talk, Conf. in Honour of Andy Fabian, Institute of Astronomy, University of Cambridge, July 21-25, 2008 Cambridge, UK, July 2008.
- Genzel, R.: Von massiven Schwarzen Löchern und Galaxien, public talk, Einstein Lecture, Einstein-Gesellschaft, Berlin, Germany, October 2008.
- Genzel, R.: Young Star Disks in the Galactic Center, colloquium, Theoretical Astrophysics Lunch Seminar, VC Berkeley, USA, August 2008.
- Gerhard, O.E.: Dark Matter in Galaxies, invited talk, Science Day Research Area E, Excellence Cluster, Garching, Germany, December 2008.
- Gerhard, O.E.: Pattern Speeds in the Milky Way, invited talk, Twisting and Winding Galaxies: Pattern Speeds along the Hubble Sequence, Padova, Italy, August 2008.
- Gerhard, O.E.: The NMAGIC Project and the Dynamics of Elliptical Galaxies, invited talk, Galactic and Stellar Dynamics in the Era of High Resolution Surveys, Strasbourg, France, March 2008.
- Gillessen, S.: Multi-wavelength observations of Sgr A\*, invited talk, The Universe under the Microscope - Astrophysics at High Angular Resolution, Bad Honnef, Germany, April 2008.
- Gillessen, S.: Dem Urknall auf der Spur, public talk, Bochum, Germany, June 2008.
- Gillessen, S.: Ferne Planetenwelten, public talk, VHS, München, Germany, October 2008.
- Gillessen, S.: Schwarze Löcher - Science Fiction der Realität?, public talk, Sternwarte Ingolstadt, Germany, December 2008.
- Gillessen, S.: Schwarze Löcher - Science Fiction oder Realität?, public talk, Lehrerfortbildung, München, Germany, April 2008.
- Gillessen, S.: Wellen im Urknallplasma, public talk, VHS, München, Germany, October 2008.
- Greiner, J.: A strong flare in GRB 080129, contributed talk, 6th Huntsville GRB Symp., Huntsville, USA, October 2008.
- Greiner, J.: Gamma-Ray Burst Afterglow variability: Recent surprises with GROND, invited talk, Conf. on High-energy sources at different time scales, Kathmandu, Nepal, October 2008.



- Greiner, J.: Gamma-Ray Burst Beobachtungen mit Fermi/GLAST und GROND, colloquium, TUM Lehrstuhl Raumfahrttechnik, München, Germany, November 2008.
- Greiner, J.: Gamma-Ray Bursts: How to detect them at high  $z$ ?, invited talk, 24th IAP Conf.: Far away: Light in the young Universe beyond redshift three, Paris, France, July 2008.
- Greiner, J.: Gamma-Ray bursts: Recent News, Joint Astronomy Coll., colloquium, ESO Garching, Germany, October 2008.
- Greiner, J.: GRB 080913 at  $z=6.7$ , invited talk, 6th Huntsville GRB Symp., Huntsville, USA, October 2008.
- Greiner, J.: GRB 080913: The new redshift record, colloquium, MPA High-Energy Seminar, Garching, Germany, September 2008.
- Greiner, J.: GRIPS: A broad-band high-energy mission, invited talk Infrastructure Roadmap Symp., Liverpool, UK, June 2008.
- Greiner, J.: GROND: Capabilities and selected results, colloquium, 1-day Seminar „10th anniversary of GRB/SN 1998bw“, MPA Garching, Germany, April 2008.
- Greiner, J.: GRS 1915+105: Simultaneous high time-resolution observations with XMM-Newton and VLT/ISAAC, contributed talk, 7th Microquasar workshop, Foca, Turkey, September 2008.
- Greiner, J.: On the nature of VY Scl stars, colloquium, Univ. Concepcion, Chile, November 2008.
- Haberl, F.: The XMM-Newton view of the Small Magellanic Cloud, contributed talk, IAU Symposium 256, The Magellanic System: Stars, Gas, and Galaxies, Keele, UK, July 2008.
- Haberl, F.: X-ray emission from Isolated Neutron Stars, invited talk, The X-ray Universe 2008, Granada, Spain, May 2008.
- Haberl, F.: X-ray observations of Isolated Neutron Stars, invited talk, 37th COSPAR Scientific Assembly, Astrophysical Studies of Neutron Stars from Multi-wavelength Observations, Montreal, Canada, July 2008.
- Haerendel, G.: Das Unsichtbare sichtbar machen: Bariumwolkenexperimente im Weltraum, colloquium, 56. Erich-Regener-Vortrag, Max-Planck-Institut für Sonnensystemforschung, Katlenburg-Lindau, Germany, February 2008.
- Haerendel, G.: Barium clouds over the Sahara desert, invited talk, 50th anniversaire du Service d'Aéronomie, Paris, France, October 2008.
- Haerendel, G.: Chromospheric evaporation by pressure-driven Alfvén waves, contributed talk, 37th COSPAR Scientific Assembly, Montréal, Canada, July 2008.
- Haerendel, G.: Current transformer and pressure valve: The poleward arcs of the auroral oval during substorms, invited talk, 9th International Conference on Substorms (ICS9), Schloss Seggau, Graz, Austria, May 2008.
- Haerendel, G.: Die Zukunft der bemannten Raumfahrt, public talk, Rotary Club Bremen-Vegesack, Bremen, Germany, June 2008.
- Haerendel, G.: Hintergründe und Geheimnisse des Polarlichts, colloquium, Technische Universität Braunschweig, Germany, June 2008.
- Haerendel, G.: Wonders and secrets of the northern lights, colloquium, Jacobs University Bremen, Germany, April 2008.
- Hasinger, G.: AGN Surveys and Evolution, invited talk, DFG SPP 1177 Summer School „Black Holes and Galaxy Evolution“, Bad Honnef, Germany, August 2008.
- Hasinger, G.: Am Himmel ist die Hölle los! public talk, Vortrag auf der Wissenschaftsmeile zur 850-Jahrfeier, München, Germany, July 2008.
- Hasinger, G.: Am Himmel ist die Hölle los, invited talk, Vortrag beim Salon '97, München, September 2008.
- Hasinger, G.: Auf der Jagd nach der Dunklen Energie, colloquium, Stuttgarter Physikalisches Kolloquium, MPI für Metallforschung, Stuttgart, Germany, February 2008.
- Hasinger, G.: Auf der Jagd nach der Dunklen Energie, public talk, Berliner Planetarium und Sternwarte Wilhelm-Förster, Berlin, Germany, March 2008.
- Hasinger, G.: Auf der Jagd nach der Dunklen Energie: eROSITA, Simbol-X und XEUS, Fundamentale Physik im Weltraum, invited talk, Symposium der Grundlagenforschung im Weltraum, Bayerisches Wirtschaftsministerium München, Germany, June 2008.
- Hasinger, G.: Colours of the COSMOS: The beauty beyond our sky, invited talk, 3rd Interdisciplinary Max Planck Phdnet Meeting: „The Art of Science and the Science of Art“, München, Germany, August 2008.
- Hasinger, G.: Cosmological Evolution of Active Black Holes, colloquium, JET EFDA Seminar, Culham, UK, December 2008.
- Hasinger, G.: Cosmological Evolution of Active Galactic Nuclei, colloquium, Institute for Advanced Studies, Princeton, USA, November 2008.
- Hasinger, G.: Das Schickal des Universums, public talk, Festvortrag bei der Mitgliederversammlung des VCI,

Hamburg, Germany, September 2008.

Hasinger, G.: Das Schicksal des Universums, public talk, Physikalisches Kolloquium, Universität Bayreuth, Germany, November 2008.

Hasinger, G.: Das Schicksal des Universums, public talk, DLR Schoollab: Göttinger Literaturherbst, Germany, October 2008.

Hasinger, G.: Das Schicksal des Universums, public talk, Evangelische Stadtakademie München, Germany, April 2008.

Hasinger, G.: Das Schicksal des Universums, public talk, Forum Wissen, Buchhandlung Habel & Schlapp, Darmstadt, Germany, January 2008.

Hasinger, G.: Das Schicksal des Universums, public talk, Volkssternwarte Paderborn, Germany, April 2008.

Hasinger, G.: Der Kalender des Universums, Zeit wahrnehmen, erleben, verstehen, public talk, Evangelische Akademie Tutzing, Germany, December 2008.

Hasinger, G.: Der Weg zu einem Fusionskraftwerk, public talk, Ringvorlesung Energie 2020, Technische Universität Hamburg-Harburg, Germany, November 2008.

Hasinger, G.: Destiny and Mysteries of the Universe, Keynote Lecture, invited talk, 1st IMPRS Interdisciplinary Symposium, Max-Planck-Institute of Biochemistry, München, Germany, February 2008.

Hasinger, G.: Die kosmische Geschichte der Schwarzen Löcher, invited talk, Karl-Schwarzschild-Vortrag, Physikalischer Verein, Festveranstaltung zu Beginn des 185. Vereinsjahres, Frankfurt, Germany, October 2008.

Hasinger, G.: eROSITA: Auf der Jagd nach der Dunklen Energie, invited talk, Russisches Konsulat Bonn, Germany, June 2008.

Hasinger, G.: Evolution of Absorption in AGN, contributed talk, COSMOS Meeting, IAP Paris, France, June 2008.

Hasinger, G.: Evolution of Black Holes in the Universe, colloquium, Ortway Lecture at Budapest University, Hungary, October 2008.

Hasinger, G.: Exploring the Hot Universe with IXO, invited talk, Science Meeting at MPE, Garching, Germany, September 2008.

Hasinger, G.: Kosmologie, invited talk, DPG Festveranstaltung zu Ehren des 150. Geburtstages von Max Planck, TU Berlin, Germany, February 2008.

Hasinger, G.: Panel A: High Energy Astrophysics, invited talk, Particle Astrophysics and Gravitational Waves, Astronet Roadmap Meeting, Liverpool, UK, June 2008.

Hasinger, G.: Schicksal des Universums, public talk, Der Kosmos im Wandel, Alfried Krupp Wissenschaftskolleg, Greifswald, Germany, December 2008.

Hasinger, G.: Schwarze Löcher auf Kollisionskurs, public talk, Planetarium Hamburg, Germany, April 2008.

Hasinger, G.: Sind wir allein? Gibt es Leben im All?, public talk, Streitgespräch in der Reihe „Naturwissenschaften kontrovers“, VHS Gasteig München, Germany, February 2008.

Hasinger, G.: Sternstunden, public talk, Caravanserei München, Germany, December 2008.

Hasinger, G.: Telescopes and Sacred Mountains, invited talk, 400 Years of Astronomical Telescopes, ESTEC, Noordwijk, The Netherlands, October 2008.

Hasinger, G.: The Dark Side of the Universe, colloquium, SFB „Particles, Strings & the Early Universe“, Hamburg, Germany, January 2008.

Hasinger, G.: The Fate of the Universe: New Cosmological Perspectives, invited talk, Festvortrag zum 40. Jubiläum der Europäischen Physikalischen Gesellschaft, Mulhouse, France, March 2008.

Hasinger, G.: The Future of High-Energy Astronomy, invited talk, The Crawfoord Days 2008: Hot Topics in High-Energy Astrophysics, Stockholm, Schweden, April 2008.

Hasinger, G.: The Future of X-ray Astronomy – a Mid Career Review, invited talk, Putting Gravity to Work: From Black Holes to Galaxy Clusters, Cambridge, UK, July 2008.

Hasinger, G.: Von den Sternen zur Fusion, invited talk, Physikalisches Kolloquium, TU Chemnitz, Germany, October 2008.

Hasinger, G.: XEUS – Physics of the hot evolving Universe, contributed talk, Astronet Roadmap Meeting, Liverpool, UK, June 2008.

Hasinger, G.: XEUS and eROSITA, The Warm & Hot Universe, invited talk, Columbia University, New York, USA, May 2008.

Herrmann, S.: CAMEX Readout ASICs for pnCCDs, contributed talk, IEEE Nuclear Science Symposium, Dresden, Germany, October 2008.

Hicks, E.: New Insight into Galaxy Evolution: What Young Galaxies, Galaxy Mergers, and Supermassive Black Holes Can Tell Us, colloquium, Western Washington University, Bellingham, USA, January 2008.

Hicks, E.: The Role of Molecular Hydrogen in Obscuring AGN, contributed talk, Gas and Stars in Galaxies - A

- Multi-Wavelength 3D Perspective, Garching, Germany, June 2008.
- Huber, P.: Growth and melting of 3-D plasma crystals, contributed talk, MPE - DLR Workshop, Garching, Germany, November 2008.
- Huber, P.: Growth and melting of 3-D plasma crystals, contributed talk, PK3+ Symposium, Garching, Germany, November 2008.
- Ihle, S.: Optical Test Results of Fast pnCCDs, contributed talk, IEEE, Dresden, Germany, October 2008.
- Ivlev, A.: Fluids at the kinetic level: Studies with complex plasmas, invited talk, International Symposium on Gaseous and Liquid Plasmas, Sendai, Japan, September 2008.
- Ivlev, A.: Kinetics of shear flows, invited talk, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Ivlev, A.: New phenomena in liquid complex plasmas, invited talk, 35th EPS Conference on Controlled Fusion and Plasma Physics, Crete, Greece, June 2008.
- Ivlev, A.: Shear flow phenomena in complex plasmas, invited talk, International workshop on Crystallization and Jamming in Soft Matter under Driving, Leiden, The Netherlands, February 2008.
- Kanbach, G.: Optical Polarization of Pulsars, invited talk, European Pulsar Timing Association (EPTA) Meeting, Bad Honnef, Germany, January, 2008.
- Kanbach, G.: OPTIMA: concept for a high-time resolution instrument at the SALT observatory, contributed talk, Göttingen SALT workshop, Göttingen, Germany, May 2008.
- Kanbach, G.: An electronics front-end for detectors used in Hard X-ray and gamma-ray astronomy, invited talk, Workshop on Advanced Gamma-Ray Detectors, Garching, Germany, June 2008.
- Kanbach, G.: High Time Resolution Astronomy: Instrumentation, Observations, and Results of Photo-Polarimetry at sub-second Timescales, colloquium, Sternwarte University Hamburg, Germany, June 2008.
- Kanbach, G.: High time resolution photo-polarimetry with OPTIMA: instrument design, properties, science goals and results, contributed talk, Astronomical Polarimetry: Science from small to large telescopes, La Malbaie, Quebec, Canada, July 2008
- Kanbach, G.: The discovery of a gamma-ray pulsar in the supernova remnant CTA1, contributed talk, Fermi-LAT collaboration meeting, SLAC, Palo Alto, USA, September 2008.
- Kanbach, G.: GRIPS - Gamma-Ray Burst Investigation via Polarimetry and Spectroscopy, contributed talk, Workshop on Science with the new generation of high-energy gamma ray experiments, Padova, Italy, October 2008.
- Kanbach, G.: Interpretation and modelling of the phase resolved optical polarisation of the Crab pulsar, contributed talk, Polarimetry days in Rome: Crab status, theory and prospects, Rome, Italy, October 2008.
- Kanbach, G.: GRIPS –Gamma-Ray Burst Investigation via Polarimetry and Spectroscopy, contributed talk, Polarimetry days in Rome: Crab status, theory and prospects, Rome, Italy, October 2008.
- Kanbach, G.: A new gamma-ray pulsar in the supernova remnant CTA1, contributed talk, Polarimetry days in Rome: Crab status, theory and prospects, Rome, Italy, October 2008.
- Kanbach, G.: Fast pn detectors for Astrophysics, invited talk, OPTICON Board Meeting, Porto, Portugal, November 2008.
- Khochfar, S.: Dark Matter Driven Galaxy Formation, colloquium, UNC Chapel Hill, USA, December 2008.
- Khochfar, S.: Do Galaxies care where they live?, colloquium, Imperial College London, UK, October 2008.
- Khochfar, S.: Merger history of galaxies in the context of disk+bulge formation, invited talk, Galaxy Evolution: Emerging Insights and Future Challenges, Austin, USA, November 2008.
- Khochfar, S.: The High-z Universe: Probing Galaxy Formation, invited talk, JENAM 2008, Vienna, Austria, September 2008.
- Khochfar, S.: The star forming universe at  $z=2$ , invited talk, Extragalactic Workshop, Birmingham, UK, June 2008.
- Khrapak, S.A.: Collisional effects in complex (dusty) plasmas, invited talk, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Khrapak, S.A.: Charge of an individual grain in the bulk of gas discharges, contributed talk, Plasmakristall Symposium, Garching, Germany, November 2008.
- Khrapak, S.A.: Electric potential around a small object in plasmas: Effect of plasma absorption and ion-neutral collisions, contributed talk, 35th EPS Plasma Physics Conference, Crete, Greece, June 2008.
- Khrapak, S.A.: Ion drag force in collisional plasmas, invited talk, 35th IEEE International Conference on Plasma Science, Karlsruhe, Germany, June 2008.
- Khrapak, S.A.: Latest theoretical results on interparticle interactions in complex plasmas, contributed talk, International Topical Team Meeting on “Critical point in complex plasmas”, Ringberg, Germany, July 2008.
- Klecker, B.: Acceleration and transport modelling of SEP charge states in Impulsive Events: Progress Report,

- contributed talk, ACE Science Working Team Meeting, Berkeley, USA, February 2008.
- Klecker, B.: Corotating Interaction Regions: Observations of H<sup>+</sup>, He<sup>2+</sup>, and He<sup>+</sup> with PLASTIC onboard STEREO, contributed talk, STEREO-Ulysses-SOHO-ACE Workshop, Kiel, Germany, October 2008.
- Klecker, B.: Das Reich der Sonne - unsere kosmische Heimat, public talk, Ingolstädter Astronomietage, Ingolstadt, Germany, October 2008.
- Klecker, B.: Das Reich der Sonne: unsere kosmische Heimat, invited talk, Seminar der Hanns-Seidel Stiftung "Heimatplanet Erde - eine Reise durch das Sonnensystem", Wildbad Kreuth, Germany, February 2008.
- Klecker, B.: Das Weltraumwetter: Sonne – Erde Wechselwirkungen, public talk, Planetarium Nürnberg, Germany, January 2008.
- Klecker, B.: Die STEREO Mission: Übersicht und erste Ergebnisse, colloquium, Christian-Albrechts Universität, Kiel, Germany, October 2008.
- Klecker, B.: Energetic Particles in the Heliosphere, invited talk, 21st European Cosmic Ray Symposium, Kosice, Slovakia, September 2008.
- Klecker, B.: Interplanetary transport of low energy ions: New results for upstream ions and pickup ions, contributed talk, ISSI Team Meeting on 'Transport of Energetic Particles in the Inner Heliosphere', Bern, Switzerland, September 2008.
- Klecker, B.: Pickup Helium in the Inner Heliosphere, contributed talk, STEREO/PLASTIC/SEPT and SOHO/CELIAS Workshop, Ascona, Switzerland, March 2008.
- Klecker, B.: STEREO Observations of CIR-accelerated particle events during 2007, contributed talk, STEREO-ACE-WIND-Ulysses Workshop, Berkeley, Ca, USA, February 2008.
- Klecker, B.: The Plasma and Suprathermal Ion Composition Investigation onboard STEREO: Sensor Overview and Research Topics, contributed talk, STEREO-Ulysses-SOHO-ACE Workshop, Kiel, Germany, October 2008.
- Komossa, S.: Active Galactic Nuclei - intrinsic properties and cosmic evolution, invited talk, Timescales of High-energy Astrophysical Sources, Kathmandu, Nepal, October 2008.
- Komossa, S.: Electromagnetic Signatures of Massive Binary Black Hole Mergers, invited talk, TEXAS Symposium on Relativistic Astrophysics, Vancouver, Canada, December 2008.
- Komossa, S.: High accretion rates, tidal disruption flares and recoils - recent results on SMBHs, colloquium, Peking University, Beijing, China, April 2008.
- Komossa, S.: Kicks and Superkicks: Observations of recoiling black holes, colloquium, Universität Jena, Germany, November 2008.
- Komossa, S.: Massereichen Schwarzen Löchern auf der Spur, invited talk, Studium Generale, Tübingen, Germany, January 2008.
- Komossa, S.: Narrow-line Seyfert 1 galaxies - an overview, invited talk, High Energy Laboratory, Beijing, China, April 2008.
- Komossa, S.: Narrow-line Seyfert 1 galaxies on the M-sigma plane, outflows, and light echoes, invited talk, Aspen Centre for Physics, Aspen, USA, July 2008.
- Komossa, S.: Pairs of AGN, Binary Black Holes and Recoils, invited talk, Merging Black Holes in Galaxies: Galaxy Evolution, AGN, and Gravitational Waves, Blue Mountains, Australia, June 2008.
- Komossa, S.: Schwarze Löcher auf Kollisionskurs, invited talk, Kuratorium, Garching, Germany, March 2008.
- Komossa, S.: Supermassive Binary Black Holes and Gravitational Wave Recoil: Observational Evidence and Astrophysical Implications, colloquium, MPI für Gravitationsphysik, Potsdam, Germany, September 2008.
- Komossa, S.: Supermassive Black Holes in Galaxies, invited talk, National Astronomical Observatories (NAOC), Beijing, China, April 2008.
- Komossa, S.: Supermassive black holes: scaling relations, outflows, and stellar tidal disruptions, invited talk, Tsinghua University, Beijing, China, April 2008.
- Komossa, S.: Tidal disruption flares and recoiling supermassive black holes, colloquium, Max Planck Institut fuer Astrophysik, High Energy Seminar, Garching, Germany, October 2008.
- Kompaneets, R.: Screening of a charged dust particle in the plasma-wall transition layer, contributed talk, 15th Gaseous Electronics Meeting, Murrumarang, Australia, February 2008.
- Konopka, U.: Active particle manipulation methods for transport and removal in fine particle plasmas, invited talk, 9th Workshop on Fine Particle Plasmas, Toki, Japan, December 2008.
- Konopka, U.: Komplexe Plasmen - Vom Labor in den Weltraum, public talk, Heidelberger Life-Science Lab, Heidelberg, Germany, February 2008.
- Konopka, U.: Systematic Transport and Manipulation of Fine Particles by Low Frequency, Travelling Plasma



- Modulations, invited talk, The 3rd International School of Advanced Plasma Technology, Varenna, Italy, July 2008.
- Krause, M.G.H.: Extragalactic Faraday Rotation with LOFAR, contributed talk, LOFAR MKSP meeting, Dwingeloo, The Netherlands, June 2008.
- Krause, M.G.H.: Jets and Multiphase Turbulence, contributed talk, The Central Kiloparsec: Active Galactic Nuclei and their Hosts, Ierapetra, Crete, Greece, June 2008.
- Krause, M.G.H.: Magnetic Fields in Galaxy Clusters: Towards the Square Kilometre Array, colloquium, Universitätssternwarte, Munich, Germany, June 2008.
- Krause, M.G.H.: Magnetism in Galaxy Clusters and the SKA, invited talk, MPI für Radioastronomie, Bonn, Germany, May 2008.
- Krause, M.G.H.: Models of Magnetic fields in Clusters of Galaxies, contributed talk, MCCT SKADS Workshop: Deep Field Imaging with the SKA, Cambridge, UK, August 2008.
- Krause, M.G.H.: Multiphase Turbulence & Jet-related Emission Line Regions, invited talk, Zentrum für Astronomie Heidelberg, Germany, October 2008.
- Krause, M.G.H.: Physics and Fate of Jet-related Emission Line Regions, invited talk, The Interface between Galaxy Formation and AGNs, Vulcano, Italy, May 2008.
- Krause, M.G.H.: SKA and the Cosmological Evolution of Cluster Magnetic Fields, contributed talk, Astronomy in the Next Decade: Synergies with the Square Kilometre Array, Bonn, Germany, April 2008.
- Kretschmer, M.: FAST PK-3 PLUS Parabolic Flight Campaign, invited talk, Plasmakristall-Symposium "10 Years Russian & German Collaboration", Garching, Germany, November 2008.
- Kretschmer, M.: Self-Organization in Complex Plasmas - Lane Formation and Beyond, invited talk, 35th IEEE International Conference on Plasma Science, Karlsruhe, Germany, June 2008.
- Kruehler, T.: Recent News from GRB Observations, contributed talk, Excellence Cluster Science Week, Garching, Germany, December 2008.
- Kruehler, T.: The detailed early light curve of the optical/NIR afterglow of XRF 071031, contributed talk, Gamma-Ray Burst Symposium 2008, Huntsville, USA, October 2008.
- Lutz, D.: A spitzer view of high-z submillimeter galaxies and QSOs, invited talk, Challenges in IR extragalactic astrophysics, Hersonissos, Greece, September 2008.
- Lutz, D.: Cosmological Surveys with Herschel/PACS, invited talk, AEGIS Meeting, London, UK, May 2008.
- Lutz, D.: Herschel and the interplay of AGN and star formation, contributed talk, AGN: The interplay between supermassive black holes, star formation and galaxy evolution, Aspen, USA, July 2008.
- Lutz, D.: PEP Data Processing, contributed talk, Herschel Key Programme Workshop, Noordwijk, The Netherlands, July 2008.
- Lutz, D.: Quantifying star formation in known AGN populations, contributed talk, AGN: The interplay between supermassive black holes, star formation and galaxy evolution, Aspen, USA, July 2008.
- Marghitu, O.: Cluster observations of concentrated load and generator regions in the plasma sheet, contributed talk, Joint Cluster-THEMIS workshop, Durham, USA, September 2008.
- Marghitu, O.: Multi-point observations of energy conversion and transfer in the auroral magnetosphere, colloquium, Southwest Research Institute, San Antonio, USA, October 2008.
- Marghitu, O.: Multi-point observations of energy conversion: plasma sheet Cluster events, contributed talk, 15th Cluster workshop, Tenerife, Spain, March 2008.
- Meidinger, N.: eROSITA camera design and first performance measurements with CCDs, invited talk, SPIE Astronomical Instrumentation Conference, Marseille, France, June 2008.
- Meidinger, N.: eROSITA instrument performance summary, colloquium, eROSITA Consortium meeting, Bamberg, Germany, October 2008.
- Meidinger, N.: Large format pnCCDs as imaging detectors for X-ray free electron lasers, colloquium, Summer school on time-resolved x-ray processes in atoms, molecules and solids, Dresden, Germany, August 2008.
- Merloni, A.: A synthetic view of AGN evolution and supermassive black holes growth, colloquium, AIP, Potsdam, Germany, November 2008.
- Merloni, A.: A synthetic view of AGN evolution, colloquium, INAF-Osservatorio Astronomico di Bologna, Italy, September 2008.
- Merloni, A.: Cosmological growth of Supermassive Black Holes: a synthesis model for accretion and feedback, colloquium, Joint Astronomy Colloquium, ESO, Munich, Germany, January 2008.
- Merloni, A.: Cosmology and Black Holes: (towards) the first structures, invited talk, Astronomy in the next decade: synergies with the SKA, Bonn, Germany, April 2008.

- Merloni, A.: Cosmological evolution of supermassive black holes and AGN: a synthesis model for accretion and feedback, invited talk, The inner Kpc, Ierapetra, Crete, Greece, June 2008.
- Merloni, A.: Cosmological evolution of supermassive black holes, contributed talk, COSMOS meeting, IAP, Paris, France, June 2008.
- Merloni, A.: Cosmological growth of Supermassive Black Holes, colloquium, Univerity of Barcelona, Barcelona, Spain, November 2008.
- Merloni, A.: Cosmological growth of Supermassive Black Holes: a synthesis model for accretion and feedback, colloquium, INAF-Osservatorio Astronomico di Roma, Rome, Italy, March 2008.
- Merloni, A.: Studying the Cosmological evolution of Supermassive Black Holes with LOFAR, contributed talk, Astrophysics with E-LOFAR, Hamburg, Germany, September 2008.
- Merloni, A.: Testing Black Holes Astrophysics across the mass spectrum, contributed talk, Putting Gravity to Work, Institute of Astronomy, Cambridge, UK, July 2008.
- Mokler, F.: Charge-triggered dust growth in protoplanetary disks, colloquium, School of Physics and Astronomy, University of St Andrews, UK, February 2008.
- Mokler, F.: Planet formation onboard the International Space Station, colloquium, Royal Observatory of Edinburgh, UK, March 2008.
- Mokler, F.: Planetenentstehung auf der Raumstation, public talk, Wettbewerb: Verständliche Wissenschaft, GKSS, Geesthacht, Germany, October 2008.
- Monetti, R.: Analysing Time Series using Symbolic Representations, contributed talk, CHAOS 2008, Chaotic Modeling and Simulation International Conference, Crete, Greece, June 2008.
- Monetti, R.: Characterizing Synchronization in Time Series using Information Measures Extracted from Symbolic Representations, invited talk, INIFTA, Universidad Nacional de La Plata, Argentina, December 2008.
- Monetti, R.: Trabecular bone architecture of the calcaneus measured using nonlinear structure parameters: Comparison of High resolution MR imaging at 3.0 and 1.5 Tesla using noise simulations, invited talk, Magnetic Resonance Science Center, UCSF, San Francisco, USA, February 2008.
- Morfill, G.: Complex Plasmas - A new State of Soft Matter, invited talk, Matter under Driving - Colloidal Suspensions, Granular Media, Foams, and Complex Plasmas, Leiden, The Netherlands, Februar 2008.
- Morfill, G.: Wave - Particle Duality: Particle Control and Transport, invited talk, MIMAS Workshop, Karlsruhe, Germany, March 2008.
- Morfill, G.: Complex Plasma Research under Microgravity, invited talk, PSAG, Noordwijk, The Netherlands, April 2008.
- Morfill, G.: Complex Plasmas - New Developments, invited talk, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, Spain, May 2008.
- Morfill, G.: Grundlagenforschung im Weltraum, invited talk, DLR symposium, Dresden, Germany, June 2008.
- Morfill, G.: Flüssige und kristalline Plasmen, colloquium, Universität Greifswald, Greifswald, Germany, Juli 2008.
- Mühlegger, M.: 100000 Clusters of Galaxies - eROSITA image simulations, contributed talk, eROSITA Group Meeting, Bamberg, Germany, October 2008.
- Müller, T.G.: Asteroids as calibrators for Akari, colloquium, LIRA Colloquium, ISAS, Tokyo, Japan, March 2008.
- Müller, T.G.: Asteroids as far-IR/Submm/mm calibrators, colloquium, ALMA Regional Centre, Garching, Germany, November 2008.
- Müller, T.G.: Asteroids as FIR/Submm/MM Calibrators, invited talk, Thermal Models for Planetary Science Workshop, Beaulieu sur Mer, France, September 2008.
- Müller, T.G.: Sizes, Shapes and Size Distributions of Asteroids and Comets, invited talk, Future Ground-Based Solar System Research: Synergies with Space Probes and Space Telescope, Livorno, Italy, September 2008.
- Müller, T.G.: The Asteroid Preparatory Programme for Herschel, AKARI and ALMA, invited talk, Herschel Space Observatory Calibration Workshop #2, Madrid, Spain, February 2008.
- Müller, T.G.: Was gibt es Neues im Sonnensystem?, public talk, Lions-Club Bad Königshofen, Bad Königshofen, Germany, February 2008.
- Nosenko, V.: Dislocation dynamics in 2D plasma crystals, invited talk, International workshop on Crystallization and Jamming in Soft Matter under Driving, Leiden, The Netherlands, February 2008.
- Nosenko, V.: Dislocation nucleation and dynamics observed in a plasma crystal, invited talk, 5th International Conference on Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.
- Nosenko, V.: Dislocation nucleation and motion observed in a 2D Yukawa triangular lattice, contributed talk, March Meeting of American Physical Society, New Orleans, USA, March 2008.

- Nosenko, V.: Dynamics of Defects in a Two-Dimensional Plasma Crystal, contributed talk, International Congress on Plasma Physics, Fukuoka, Japan, September 2008.
- Nosenko, V.: Dynamics of defects in a two-dimensional plasma crystal, colloquium, Christian-Albrechts-Universität Kiel, Germany, December 2008.
- Nosenko, V.: Manipulation of dust particles in complex plasmas by electric field, contributed talk, Meeting of Division of Plasma Physics of American Physical Society, Dallas, USA, November 2008.
- Nosenko, V.: Monolayer complex plasma experiments, invited talk, 35th EPS Conference on Controlled Fusion and Plasma Physics, Hersonissos, Greece, June 2008.
- Nowak, N.: Weighing supermassive black holes, invited talk, Workshop on AGN and Related Fundamental Physics, Jerisjaervi, Finland, April 2008.
- Ott, T.: Das Schwarze Loch im Zentrum unserer Milchstraße, public talk, Berufsbildungszentrum, Nürnberg, Germany, April 2008.
- Phleps, S.: LSS and BAOs with Pan-STARRS, invited talk, 3rd Biennial Leopoldina Conference on Dark Energy, Munich, Germany, October 2008.
- Pierini, D.: On dust extinction in galaxies, near and far, colloquium, MPA, Garching, Germany, March 2008.
- Pierini, D.: Pan-STARRS1 clusters/groups and the MPE X-ray cluster group, contributed talk, Pan-STARRS1 Science Consortium Meeting, Heidelberg, Germany, April 2008.
- Poglitsch, A.: Der kosmische Infrarot-Hintergrund - Was steckt dahinter?, invited talk, Grundlagenforschung im Weltraum: Deutschlands Herausforderung der nächsten Dekaden, Munich, Germany, June 2008.
- Poglitsch, A.: Herschel/PACS and its Promise, colloquium, ETH, Institute of Astronomy, Zurich, Switzerland, April 2008.
- Poglitsch, A.: The Herschel Photodetector Array Camera & Spectrometer (PACS), contributed talk, SPIE Astronomical Instrumentation, Marseille, France, June 2008.
- Porro, M.: DEPFET Applications and 3D Integration, contributed talk, Vertical Integration and High Density Interconnection Technologies for HEP and Imaging Workshop, Ringberg Castle, Germany, April 2008.
- Porro, M.: Large Format X-Ray Imager with Mega-Frame Readout Capability for XFEL, based on the DEPFET Active Pixel Sensor, contributed talk, IEEE Nuclear Science Symposium, Dresden, Germany, October 2008.
- Porro, M.: Performance of ASTEROID: a 64 Channel ASIC for Source Follower Readout of DEPFET Matrices for X-Ray Astronomy, contributed, IEEE Nuclear Science Symposium, Dresden, Germany, October 2008.
- Pratt, G.W.: Astrophysics of galaxy clusters, colloquium, University College Dublin, Ireland, March 2008.
- Pratt, G.W.: eROSITA, contributed talk, An XXL extragalactic survey: prospects for the XMM next decade, Paris, France, April 2008.
- Pratt, G.W.: Evolution of the dark matter distribution on galaxy cluster scales, contributed talk, Exploring the Hot Universe with IXO, Munich, Germany, September 2008.
- Pratt, G.W.: Probing structure formation physics with galaxy clusters, colloquium, MPA Garching, Munich, Germany, May 2008.
- Pratt, G.W.: Properties of the intracluster medium in a representative sample, contributed talk, X-ray Universe 2008, Granada, Spain, May 2008.
- Pratt, G.W.: Structure et dynamique des amas de galaxies en rayons X, colloquium, CESR, Toulouse, France, February 2008.
- Pratt, G.W.: Weighing clusters: the X-ray view, invited talk, Cluster weighing workshop, Munich, Germany, July 2008.
- Predehl, P.: Das Dunkle Universum, public talk, FH Rosenheim, Rosenheim, Germany, October 2008.
- Predehl, P.: Das Dunkle Universum, public talk, Naturama Aarau, Aarau, Switzerland, August 2008.
- Predehl, P.: eROSITA - Instrumentation for X-ray Astronomy, colloquium, Excellence Cluster - Ringvorlesung „Methoden u. Instr. in Kern-, Teilchen- und Astrophysik“, Garching, Germany, June 2008.
- Predehl, P.: eROSITA, contributed talk, DGLR, Darmstadt, Germany, September 2008.
- Predehl, P.: eROSITA, contributed talk, SPIE, Telescopes and Instrumentation II, Ultraviolet to Gamma Rays, Marseille, France, June 2008.
- Predehl, P.: eROSITA, invited talk, DPG Tagung, Freiburg, Germany, March.
- Predehl, P.: eROSITA, invited talk, Leopoldina Conference on Dark Energy, Munich, Germany, November 2008.
- Predehl, P.: Neues vom Röntgenhimmel, public talk, Verein Amateurastronomen Max Valier, Bolzano, Italy, May 2008.
- Predehl, P.: Neues vom Röntgenhimmel, public talk, VSM, Munich, Germany, November 2008.

- Pustynnik, M.: Effect of High-voltage Nanosecond Pulses on Dust Particles Levitating in a Plasma, contributed talk, International Congress on Plasma Physics, Fukuoka, Japan, September 2008.
- Pustynnik, M.: Effect of high-voltage nanosecond pulses on the dust particles in complex plasmas, contributed talk, International Conference on Plasma Physics, Fukuoka, Japan, September 2008.
- Raeth, C.: Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin, public talk, Schulvortrag in Rahmen der MPG Hauptversammlung 2008, Meissen, Germany, June 2008.
- Raeth, C.: Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin, public talk, Schulvortrag in Rahmen der MPG Hauptversammlung 2008, Dresden, Germany, June 2008.
- Raeth, C.: Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin, public talk, Schulvortrag in Rahmen der MPG Hauptversammlung 2008, Riesa, Germany, June 2008.
- Raeth, C.: Constrained Randomisation: Towards model-independent tests for non-Gaussianity in the CMB, colloquium, Caltech/JPL, Pasadena, USA, February 2008.
- Raeth, C.: Constrained Randomisation: Towards model-independent tests for non-Gaussianity in the CMB, contributed talk, Cosmic Microwave Radiation Conference, Aspen, USA, February 2008.
- Raeth, C.: Dust Capture Experiments in HT-7, colloquium, MPE-DLR Workshop, Garching, Germany, November 2008.
- Raeth, C.: From galaxies to bones: Quantitative characterisation of complex structures using nonlinear methods, invited talk, Scripps Institute, San Diego, USA, February 2008.
- Raeth, C.: On the sensitivity of Minkowski functionals, wavelets and scaling indices to higher order correlations in HRMR images of the distal radius, colloquium, UCSF, San Francisco, USA, February 2008.
- Raeth, C.: Surrogates with random Fourier Phases, contributed talk, CHAOS2008: Chaotic Modeling and Simulation International Conference, Chania, Greece, June 2008.
- Raeth, C.: Visualisation and local assessment of the trabecular bone structure using micro CT images, colloquium, TU München, Germany, July 2008.
- Schartmann, M.: Hydrodynamic studies of turbulent AGN tori, contributed talk, JENAM / AG-Tagung: New Challenges to European Astronomy, Vienna, Austria, September 2008.
- Schartmann, M.: Turbulent AGN tori, contributed talk, The Central Kiloparsec: Active Galactic Nuclei and their Hosts, Ierapetra, Crete, Greece, June 2008.
- Scholer, M.: Backstreaming ions and ULF waves at Earth's bow shock: Observations and Simulations, invited talk, Geophysical Environment Modeling Workshop, Midway, USA, June 2008.
- Scholer, M.: Cluster observations of particles and magnetic field power as a function of distance from the bow shock during diffuse upstream ion events, invited talk, Geophysical Environment Modeling Workshop, Midway, USA, June 2008.
- Scholer, M.: Collisionless nonrelativistic shocks: Overview, invited talk, Workshop on Kinetic Modeling of Astrophysical Plasmas, Krakow, Poland, October 2008.
- Scholer, M.: Particles and fields at collisionless shocks: Simulation results versus Cluster bow shock observations, contributed talk, 15th Cluster Workshop, Tenerife, Spain, March 2008.
- Scholer, M.: Variability of high-Mach number quasi-perpendicular shocks, invited talk, ISSI Workshop on High Mach Number Shocks, Bern, Switzerland, April 2008.
- Schwabe, M.: Warum denn gerade Physik?, public talk, Girls' Day, MPE, Garching, Germany, April 2008.
- Schwabe, M.: Bubbles, blobs, and surface cusps in fluid complex plasmas, contributed talk, MPE - DLR Workshop, Garching, Germany, November 2008.
- Schwabe, M.: Bubbles, blobs, and surface cusps in fluid complex plasmas, contributed talk, PK3+ Symposium, Garching, Germany, November 2008.
- Schwabe, M.: Dust Bubbles, contributed talk, Topical Team and Complex Plasma Meeting, Ringberg, Germany, July 2008.
- Segneri, G.: Measurement of the Current Related Damage Rate at  $-50^{\circ}$  BOC and Consequences on Macropixel Detector Operation in Space Experiments, contributed talk, IEEE Conference, Dresden, Germany, October 2008.
- Segneri, G.: Radiation Damage during Space mission: the BepiColombo example, invited talk, Maier-Leibnitz Laboratorium, Garching, Germany, May 2008.
- Shimizu, S.: Carbon fine particles growth in CH<sub>4</sub>/H<sub>2</sub> rf plasmas, invited talk, 9th Workshop on Fine Particle Plasmas, Toki, Japan, December 2008.



- Shimizu, S.: Diamond fine particles growth on seed particles in the rf CH<sub>4</sub>/H<sub>2</sub> plasma chamber equipped with a hot filament, contributed talk, 3rd International School of Advanced Plasma Technology, Varenna, Italy, July 2008.
- Shimizu, T.: Application of Atmospheric Plasma to Disinfection of Chronic Wounds, invited talk, 3rd International School of Advanced Plasma Technology, Varenna, Italy, July 2008.
- Shimizu, T.: Plasma Medicine, application of plasma for wound sterilization, invited talk, Workshop of atmospheric plasma applications, Institute of Fluid Science, Tohoku University, Sendai, Japan, March 2008.
- Stiele, H.: Soft X-ray sources in the XMM-Newton survey of M 31, contributed talk, The X-ray Universe 2008, Granada, Spain, May 2008.
- Strüder, L.: CFEL activities (MPG-ASG) in Instrumentation, contributed talk, CFEL workshop, Hamburg, January 2008.
- Strüder, L.: Detectors for the experiments at FLASH, LCLS, SCSS and XFEL – the fine art of high speed X-ray imaging, invited talk, Stanford University, SLAC, Menlo Park, USA, August 2008.
- Strüder, L.: Detectors for the experiments at FLASH, LCLS, SCSS and XFEL – the fine art of high speed X-ray imaging, invited talk, Monash University, Melbourne, Australia, September 2008.
- Strüder, L.: Detectors for the experiments at FLASH, LCLS, SCSS and XFEL – the fine art of high speed X-ray imaging, invited talk, “Coherent X-ray Scattering” Conference, Melbourne, Australia, September 2008.
- Strüder, L.: eROSITA and IXO – two major X-ray missions in the next decade, invited talk, IEEE NSS, Dresden, Germany, October 2008.
- Strüder, L.: High Resolution, High Speed Spectroscopic Imagers, colloquium, RSSD, ESTEC, Noordwijk, The Netherlands, November 2008.
- Strüder, L.: High Speed Imaging Detectors – From the Infrared to Gamma Rays, contributed talk, Workshop of the Excellence Cluster “Munich Center of applied Photonics, MAP”, Andechs, Germany, June 2008.
- Strüder, L.: High speed simultaneous X-ray and electron imaging and spectroscopy at synchrotrons and TEMs, invited talk, European Microscopy Conference EMC, Aachen, Germany, September 2008.
- Strüder, L.: High speed spectroscopic imaging for electrons and X-rays, invited talk, “Microscopy and Microanalysis” conference, Albuquerque, USA, August 2008.
- Strüder, L.: High Speed Spectroscopic Imaging, invited talk, Heraeus-workshop: Matter in Coherent Light, Bad Honnef, Germany, March 2008.
- Strüder, L.: IXOs field of view, contributed talk, IXO workshop, MPE, Garching, Germany, September 2008.
- Strüder, L.: pnCCD basics, invited talk, Series of lectures (4), Siegen, Germany, February 2008.
- Strüder, L.: pnCCDs and DEPMOS Active Pixel Sensors for X-ray Imaging and spectroscopy for eROSITA, BepiColombo, Simbol-X, XEUS-WFI, Xeus-HTRS, ExoMars, AO, electrons in TEMs, at FLASH, LCLS, XFEL, HICAM and other opportunities, invited talk, Agade Workshop, Garching, Germany, March 2008.
- Strüder, L.: pnCCDs for High Speed X-ray imaging at experiments at FLASH, LCLS and XFEL, contributed talk, NDIP conference, Aix-les-Bains, France, June 2008.
- Strüder, L.: Progress with silicon detector systems for spectroscopic imaging close to room temperature, invited talk, IEEE RTSD, Dresden, Germany, October 2008.
- Strüder, L.: Progress with the XEUS WFI, contributed talk, SPIE conference, Marseille, France, June 2008.
- Strüder, L.: Siliziumsensoren für die Röntgenastronomie – Transferprojekte aus dem MPI-HLL, contributed talk, Kuratoriumssitzung des MPE, Garching, Germany, March 2008.
- Strüder, L.: Single photon imaging with Avalanche multiplying readout, contributed talk, SPIE conference, Marseille, France, June 2008.
- Strüder, L.: Sub-electron noise performance in high speed optical detector systems, contributed talk, SPIE conference Marseille, France, June 2008.
- Strüder, L.: Technical Readiness of the XEUS Wide Field Imager, contributed talk, IWG ESTEC, Noordwijk, The Netherlands, February 2008.
- Strüder, L.: The CFEL-ASG end station for high resolution X-ray imaging at LCLS (and other light sources), invited talk, LCLS-SSRL workshop, Menlo Park, USA, October 2008.
- Strüder, L.: The IXO wide field imager, invited talk, Goddard Space Flight Center, Greenbelt, USA, August 2008.
- Strüder, L.: The MPI-HLL Sensor developments, invited talk, IMS-Chips, Stuttgart, Germany, February 2008.
- Strüder, L.: What Silicon can do for XEUS, invited talk, XEUS Workshop 2008 ESTEC, Noordwijk, The Netherlands, March 2008.
- Tacconi, L.J.: Cold Gas at High-z and What it Tells Us About Massive Galaxy Evolution, colloquium, MPA

Cosmology Seminar, Garching, Germany, July 2008.

Tacconi, L.J.: Cold Gas at High-z: (Sub)arcsecond Imaging of SMGs and New Observations of  $z=1-2$  Star Forming Galaxies, invited talk, Galaxies in Real Life and Simulations, Lorentz Center, Leiden, The Netherlands, September 2008.

Tacconi, L.J.: Cold Gas at High-z: First(Sub)arcsecond Imaging of SMGs and New Observations of  $z=1-2$  Star Forming Galaxies, invited talk, Santa Cruz Galaxy Workshop 2008, UC Santa Cruz, USA, August 2008.

Tacconi, L.J.: Discussion on (3D observations of) AGN and high-z galaxies, invited talk, Gas and Stars in Galaxies - A Multi-Wavelength 3D Perspective, ESO, Garching, Germany, June 2008.

Tacconi, L.J.: Dynamical Evolution of Luminous Galaxies at High-z, invited talk, Starburst-AGN Connection, Shanghai Normal University, China, October 2008.

Tacconi, L.J.: Dynamical Properties of Submm Galaxies, colloquium, UC Berkeley Cosmology Seminar, Berkeley, USA, February 2008.

Tacconi, L.J.: Spatially Resolved Galaxy Dynamics at  $z\sim 2-3$ : New Insights into Galaxy Evolution, colloquium, Astronomy Department Colloquium, Amherst, USA, February 2008.

Tacconi, L.J.: The Dynamical Evolution of High-Redshift Mergers, colloquium, Munich Joint Astronomy Colloquium, Garching, Germany, March 2008.

Tacconi, L.J.: The Dynamics and Evolution of Galaxy Mergers: Properties of the 1 Jy ULIRG Sample, invited talk, ESO Large Program Workshop, Garching, Germany, October 2008.

Thoma, M.H.: Relativistic and Strongly-Coupled Plasmas - Extreme Matter in Plasma-, Astro-, and Nuclear Physics, invited talk, Extreme Matter Institute EMMI Kick-off Meeting and Symposium, Darmstadt, Germany, July 2008.

Thoma, M.H.: „Soft Matter“ unter Schwerelosigkeit, invited talk, Grundlagenforschung im Weltraum, Munich, Germany, June 2008.

Thoma, M.H.: Complex Plasmas under Microgravity, invited talk, Crystallization and Jamming in Soft Matter under Driving - Colloidal Suspensions, Granular Media, Foams, and Complex Plasmas, Leiden, The Netherlands, February 2008.

Thoma, M.H.: Instabilities, Convection, and Turbulence in Complex Plasmas, invited talk, Workshop on Turbulence and Hydrodynamical Instabilities, Garching, Germany, November 2008.

Thoma, M.H.: Relativistic and Strongly-Coupled Plasmas - Extreme Matter in Nuclear, Astro- and Plasmaphysics, invited talk, TU Darmstadt, Germany, July 2008.

Thoma, M.H.: Strongly Coupled Plasmas and the Plasma Crystal - Plasma Physics under Microgravity, colloquium, Universität Graz, Austria, February 2008.

Thoma, M.H.: Ultrarelativistic Electron-Positron Plasma, invited talk, ELI Workshop and School on „Fundamental Physics with Ultra-High Fields“, Frauenchiemsee, Germany, September 2008.

Thoma, M.H.: What can we learn from electromagnetic plasmas about the quark-gluon plasma?, invited talk, International Conference on Strongly Coupled Coulomb Systems, Camerino, Italy, July 2008.

Thomas, H.M.: Complex Plasmas under Microgravity Conditions, contributed talk, DLR & MPE Workshop, Garching, Germany, November 2008.

Thomas, H.M.: Complex Plasmas, invited talk, ELIPS Workshop, Sasbachwalden, Germany, February 2008.

Thomas, H.M.: Electrorheology in Complex Plasmas, contributed talk, Workshop on Crystallization and Jamming in Soft Matter under Driving, Leiden, The Netherlands, February 2008.

Thomas, H.M.: Fine Particle Plasmas under Microgravity Conditions on the ISS, invited talk, 9th Workshop on Fine Particle Plasmas, Toki, Japan, December 2008.

Thomas, H.M.: New Direction of Research in Complex Plasmas on the International Space Station, invited talk, 5th International Conference on the Physics of Dusty Plasmas, Ponta Delgada, Portugal, May 2008.

Thomas, H.M.: Next Experiments with PK-3 Plus on the International Space Station, contributed talk, Topical Team and Complex Plasma Meeting, Schloss Ringberg, Germany, July 2008.

Thomas, H.M.: Plasma-Application Oriented Research Supported by Microgravity, invited talk, Space for Innovation – Industry Forum for Material Research and Microgravity, Düsseldorf, Germany, May 2008.

Treis, J.: Pixel detectors for x-ray Imaging Spectroscopy in Space, invited talk, Fermilab Pixel 2008 International Workshop, Batavia, USA, September 2008.

Treis, J.: Silicon Detector Applications in Medicine, Biology, Safety and Astrophysics part 2, contributed talk, IEEE Nuclear Science Symposium, Dresden, Germany, October 2008.

Trippe, S.: High Precision Astrometry with MICADO, invited talk, ESO, Garching, Germany, December 2008.

- Trümper, J.: Röntgensatelliten berichten von sterbenden Sternen, public talk, Görlitz, Germany, March 2008.
- Trümper, J.: Röntgensatelliten berichten von sterbenden Sternen, public talk, Sohland, Germany, March 2008.
- Trümper, J.: Röntgensatelliten berichten von sterbenden Sternen, public talk, Bautzen, Germany, March 2008.
- Trümper, J.: Satellitengestützte Astronomie, public talk, Zwiesel, Germany, April 2008.
- Trümper, J.: The Physical Properties of Neutron Stars, colloquium, Breslau, Germany, April 2008.
- Trümper, J.: Endstadien der Sternentwicklung, public talk, Flensburg, Germany, May 2008.
- Trümper, J.: Die Entstehung der neuen Astronomie nach dem 2. Weltkrieg, public talk, Nordenham, Germany, September 2008.
- Trümper, J.: Das Rätsel der Dunklen Materie, public talk, Harburg, Germany, September 2008.
- Trümper, J.: The Extreme Physical Properties of Neutron Stars, colloquium, Physics Department Heraklion, Crete, Greece, November 2008.
- Trümper, J.: Die Entstehung und Entwicklung der neuen Astronomie nach dem 2. Weltkrieg, public talk, Ingolstadt, Germany, November 2008.
- van Dishoeck, E.F.: ALMA: zooming in on the birthplaces of galaxies, stars and planets, public talk, KNAW symposium Telescopisch perspective, Amsterdam, The Netherlands, June 2008.
- van Dishoeck, E.F.: Astrochemistry and its uses in astronomy, invited talk, ISSI workshop: a new generation of databases for interstellar chemical modeling, Bern, Switzerland, January 2008.
- van Dishoeck, E.F.: Astrochemistry: building on Dalgarno's legacy, invited talk, Dalgarno celebratory symposium, Cambridge, USA, September 2008.
- van Dishoeck, E.F.: Building planets and the ingredients of life between the stars, public talk, University of Copenhagen, Denmark, April 2008.
- van Dishoeck, E.F.: Disks and their evolution: future prospects, invited talk, New light on young stars: Spitzer's view of circumstellar disks, Pasadena, USA, October 2008.
- van Dishoeck, E.F.: Gas and dust evolution in protoplanetary disk, colloquium, University of Copenhagen, Denmark, April 2008.
- van Dishoeck, E.F.: Gas and dust evolution in protoplanetary disks, colloquium, Geneva Observatory, Switzerland, June 2008.
- van Dishoeck, E.F.: Gas and dust evolution in protoplanetary disks, colloquium, University of San Diego, USA, May 2008.
- van Dishoeck, E.F.: Gas in protoplanetary disks: where and when?, contributed talk, JWST-MIRI science team meeting, Onsala, Sweden, May 2008.
- van Dishoeck, E.F.: Organic matter in space: an overview, invited talk, IAU Symposium 251: Organic matter in space, Hong Kong, China, February 2008.
- van Dishoeck, E.F.: Photoprocesses: rates and uncertainties, invited talk, ISSI workshop: a new generation of databases for interstellar chemical modeling, Bern, Switzerland, January 2008.
- van Dishoeck, E.F.: VLT-CRIRES observations of protoplanetary disks: where is the gas inside gaps?, colloquium, ESO, Garching, Germany, January 2008.
- van Dishoeck, E.F.: Water in the universe, invited talk, Molecular universe: physics and chemistry of the ISM, Arcachon, France, May 2008.
- Vongehr, M: Development of slumped glass mirror segments for large X-ray telescopes, contributed talk, SPIE Astronomical Instrumentation, Marseille, France, June 2008.
- Weidenspointner, G.: A Galactic Mystery: INTEGRAL/SPI Observations of Positron Annihilation, colloquium, Universität Bielefeld, Germany, January, 2008.
- Weidenspointner, G.: Positron astronomy with SPI/INTEGRAL, contributed talk, Astronomy with Radioactivities VI, Schloss Ringberg, Germany, January, 2008.
- Zhdanov, S.: Alive Beating Heart of a Complex Plasma, contributed talk, MPE, PK3+ Symposium, Munich, Germany, November 2008.
- Zhdanov, S.: Basic Mechanisms of Circulation in Complex Plasmas, invited talk, Forschungszentrum Karlsruhe, ICOPS 2008, Karlsruhe, Germany, June 2008.
- Zhdanov, S.: Spontaneous Symmetry Breaking in a 2D Complex Plasma, contributed talk, Complex Plasma Meeting, Schloss Ringberg, Germany, July 2008.

## Dissertationen

Bauer, M.: X-ray emission components of the starburst galaxy NGC 253. TU München 2008.

Bottacini, E.: High energy emission of jet sources. TU München 2008.

Müller Sanchez, F.: SINFONI Observations of Nearby AGN and Design of Interferometric Integral-Field Spectrograph for the LBT. LMU München 2008.

Orlando, E.: Gamma rays from interactions of cosmic-ray electrons. TU München 2008.

Schweitzer, M.: Optical alignment and characterization of FIFI-LS - the Far-Infrared Field Imaging Line Spectrometer for SOFIA and Spitzer IRS observations of active galaxies. LMU München 2008.

Trippe, S.: Ten Thousand Stars and One Black Hole: A Study of the Galactic Center in the Near Infrared. LMU München 2008.

Valiante, E.: High-redshift infrared galaxies: mid-infrared properties and evolutionary models. LMU München 2008.

## Diplomarbeiten

Eger, P.: Classification of X-ray sources in the Small Magellanic Cloud: Be/X-ray binaries observed with XMM-Newton. TU München 2008.

Genel, S.: The role of mergers in galaxy formation: comparison between the Millenium simulation and observations. LMU München 2008.

Grünecker, B.: Untersuchung der Röntgenemission rotationsgetriebener Pulsare mit Chandra, XMM-Newton und eROSITA. LMU München 2008.

Hamaus, N.: Simulation of Flares from the Galactic Center Black Hole. LMU München 2008.

Hölzl, G.: Optische hochgeschwindigkeits shutter für gepulste Laserleitsysteme. TU München 2008.

Kolmeder, J.: Development and Characterization of a Tip-Tilt System for Astronomical Interferometry. TU München 2008.

Naumann, A.: Abbildungsmethoden in der Gammaastronomie. TU München 2008.

Pfuhl, O.P.: Optimization of PRIMA for the Observation of the Galactic Center. TU München 2008.

Rabe, J.: Navigation von Raumfahrzeugen mittels Röntgenpulsaren. LMU München 2008.

Rank, S.: Bestimmung der Helligkeitsverteilung von SgrA\*. TU München 2008.

Tuong-Van Le, D.: Gravitationswellen von Neutronensternen. LMU München 2008.

## Bücher

Paschmann, G. and P.W. Daly (Eds.): Multi-Spacecraft Analysis Methods Revisited. ISSI Scientific Report SR-008, ESA Publ. Div., Noordwijk, The Netherlands, 2008, 114p.

Trümper, J.E. and Hasinger, G. (Eds): The Universe in X-rays. Astrophysics and Space Science Library. Springer, Berlin, Germany, 2008, 498 p.

Tsyтович, V.N., G.E. Morfill, S.V. Vladimirov and H. Thomas (Eds.): Elementary Physics of Complex Plasmas, Lect. Notes Phys. 731. Springer, Berlin Heidelberg, 2008, 370 p.



## Populärwissenschaftliche Publikationen

Davies, R., S. Rabien, C. Lidman, M. Le Louarn, M. Kasper, N.M. Förster Schreiber, V. Roccatagliata, N. Ageorges, P. Amico, C. Dumas and F. Mannucci: Laser Guide Star Adaptive Optics without Tip-tilt. *The Messenger* 131, 7 (2008).

Lichti, G. and A. von Kienlin: Die GLAST Mission: Ein Blick in die kosmischen Hexenkessel. *Sterne und Weltraum*, Heft 5, 40-49 (2008)

Meisenheimer, K., D. Raban, K.R.W. Tristram, M. Schartmann, W. Jaffe, H. Röttgering and L. Burtcher: Mid-infrared Interferometry of Active Galactic Nuclei: an Outstanding Scientific Success of the VLTI. *The Messenger* 133, 36-41 (2008).

Morelli, L., E. Pompei, A. Pizzella, J. Méndez-Abreu, E.M. Corsini, L. Coccato, R. Saglia, M. Sarzi and F. Bertola: Stellar Populations of Bulges of Disc Galaxies in Clusters. *The Messenger* 133, 31-35 (2008).

Morfill, G.E. and H.M. Thomas: The Complex Matter of Plasma. *Scientific American - Looking Up - Europe's Quiet Revolution in Microgravity Research*, 82-90 (2008).

Schönfelder, V.: INTEGRAL entdeckt den Gamma Himmel. In: *Geheimnisvoller Kosmos*. (Eds) T. Bürke, R. Wengenmayr. Wiley-VCH, Weinheim, (2008) 86-93.

von Kienlin, A., R. Gräve: GLAST vor dem Start. *DLR Countdown*, Heft 2/08 (2008).

# Kollaborationen / Wissenstransfer

## Wissenschaftliche Kollaborationen nach Ländern



### Argentinien

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

### Australien

Australian National University: Galaxienentstehung.

Melbourne University: Astro-Plasmaphysik.

Swinburne University of Technology, Victoria: Millisecond Pulsars.

University of Western Sydney: Magellanic Clouds.

### Belgien

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

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

### Brasilien

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.

Institute for Plasma Physics, Hefei: komplexe Plasmen, Staubdetektion in Fusionsreaktoren.

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

### Deutschland

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

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; ROSAT (MIDAS); Galaxienentstehung; ASTRO-WISE; OmegaCAM, PRIMA Testbed; MICADO.

Fraunhofer Institut für Festkörpertechnologie, München: XEUS; eROSITA.

IAP Berlin: HETDEX.

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

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, ARGOS.

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

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

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

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.

Max-Planck-Institut für Radioastronomie Bonn: ARGOS.

Thüringer Landessternwarte Tautenburg: 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 Düsseldorf: komplexe Plasmen.

Universität Erlangen: eROSITA.

Universität Greifswald: Komplexe Plasmen.

Universität Hamburg: eROSITA.

Universität Jena: Isolierte Neutronensterne

Universität Köln: Galaktisches Zentrum; GRAVITY.

Universitätssternwarte Göttingen: OmegaCAM.

Universität Siegen: Compton Kamera.

Universität Würzburg: ACE, STEREO, AGADE.

### Frankreich

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

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.

GIS-Phase Paris: MICADO.

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

IGRP Marseille: Herschel-PACS.

Observatoire de Meudon: ASTRO-WISE.

Observatoire de Paris / LESIA: GRAVITY.

### Großbritannien

Belfast, Queen's University: PanSTARRS.

BRUNEL University: XEUS.

John Moores University, Liverpool: Himmelsdurchmusterung Galaxienhaufen.

Open University, Milton Keynes: Kataklysmische Variablen, Novae.

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 Hertfordshire: RoPacs.

University of Leeds: Komplexe Plasmen.

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; KMOS.

University of Sheffield: Astro-Plasmaphysik.

### **Griechenland**

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

### **Israel**

Beer Sheva University: Astro-Plasmaphysik.

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

Weizmann Institut, Rehovot: Komplexe Plasmen; Galaktisches Zentrum.

### **Italien**

Brera Astronomical Observatory: Himmelsdurchmusterung Galaxienhaufen; IXO.

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

INAF Arcetri: ARGOS.

INAF Trieste: Gamma-Ray Bursts.

INAF Padua: Herschel-PACS; OmegaCAM; MICADO.

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.

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

Politecnico di Milano: rauscharme Elektronik; Röntgendetektorenentwicklung.

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.

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

Tohoku University: Komplexe Plasmen.

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

Yokohama National University: komplexe Plasmen.

### **Kroatien**

Ministry of Science and Technology, Zagreb: CAST.

### **Niederlande**

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

FOM Institute for Plasma Physics, Rijnhuizen: komplexe Plasmen.

NOVA Leiden: MICADO.

SRON, Utrecht: Chandra-LETG.

Sterrewacht Leiden: ASTRO-WISE; OmegaCAM.

TU Delft: Reflexions Messungen an schwarzen Farben.

University Eindhoven: Komplexe Plasmen; Plasmalab.

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

### **Norwegen**

Universität Trømsø: Komplexe Plasmen.

### **Österreich**

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

Universität und TU Wien: Herschel-PACS.

### **Portugal**

Universität Lissabon: Komplexe Plasmen.

### **Rumänien**

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

### **Russland**

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



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.

#### **Schweden**

University Stockholm: komplexe Plasmen, Staubdetektion in Fusionsreaktoren.

#### **Schweiz**

CERN, Geneva: CAST.

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

Observatoire de Genève Sauverny, Geneva: ISDC.

Universität Bern: SOHO/CELIAS; STEREO/PLASTIC.

#### **Spanien**

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

LAEFF, Madrid: RoPACS.

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

Universidad de Zaragoza: CAST.

Observatorio Astronomico de Mallorca: Novae; Kometen.

#### **Taiwan**

National Central University, Chungli: IMPF; PanSTARRS.

#### **Türkei**

Bogazici University, Istanbul: IMPF; CAST.

#### **Ukraine**

Main National Observatory, Kiev: RoPACS.

#### **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; NIR Kamera für Wendelstein.

Johns Hopkins University: PanSTARRS.

Lawrence Berkeley National Laboratory, Berkeley: Herstellung der Ge:Ga Detektorenelemente für Herschel-

PACS und SOFIA; Charakterisierung von GaAs-Detektormaterial.

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

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

Naval Research Laboratory: komplexe Plasmen.

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

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

Pennsylvania State University: HETDEX.

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

Space Telescope Science Institute, Baltimore: Galaxienentstehung.

Stanford University: Fermi/LAT; Fermi/GBM.

Texas State University: HETDEX.

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

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; komplexe Plasmen.

University of Colorado, Boulder: SAMPEX; komplexe Plasmen.

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

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; HETDEX.

University of Toledo: Galaxienentstehung.

University of Washington, Seattle: CLUSTER/CIS.

University Space Research Association, Moffett Field: SOFIA.

## Multinationale Kollaborationen - Projekte

AGADE - Advanced Gamma-ray Detectors: Skobel'syn Inst. Moskow; Russia, Universität Würzburg, Germany.

ARGOS - Laserleitstern für das LBT: API, LSW Heidelberg, MPIA, MPIfR, Germany; University of Arizona, USA.

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

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

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

BOSS: SDSS-III Collaboration.

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

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

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.

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

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

FAST - Fast Auroral Snapshot Explorer: SSL-UCB Berkeley, USA; CETP St.Maur, France.

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

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

GRAVITY - Instrument for VLT Interferometry: MPIA Heidelberg, Germany; Observatoire de Paris / LESIA, France; Universität zu Köln, Germany; European South-

ern 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; MPA 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.

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

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 Scientists: France, Germany, Norway, Russia.

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

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

IXO (XEUS)- International X-ray Observatory: 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.

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: MPA 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.

MICADO - MCAO Imaging Camera for Deep Observations: LMU, USM, MPA, Germany; INAF Padova, Italy; NOVA, Federation of Dutch University Astronomy Departments, The Netherlands; GIS-PHASE, Paris, France.

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

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

PK-3 Plus (Plasma-crystal experiment): JIHT Moscow, Russia; University of Iowa City, USA; DLR-Köln, Germany; Université d'Orléans CNRS, France.

PK-4 (Plasma-crystal experiment): JIHT Moscow, Russia; Université d'Orléans CNRS, France; Universität Düsseldorf, Germany; FOM Rijnhuizen, The Netherlands; Kyoto Institute for Technology, Japan; University Stockholm, Schweden.

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

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

PLASTIC - Plasma and Supra Thermal Ion Composition Investigation experiment for STEREO: University of New Hampshire Durham, NASA/GSFC Greenbelt, USA; Universität Bern, Switzerland; Universität Kiel, Germany.

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

SDSS - Sloan Digital Sky Survey: MPA Garching, MPA

Heidelberg, Germany; Univ. of Washington, Seattle, Fermi National Accelerator Laboratory, Batavia, University of Michigan, Ann Arbor, Carnegie Mellon University, Pittsburgh, Penn State University, University Park, Princeton University Observatory, Princeton, The Institute of Advanced Study Princeton, Space Telescope Science Institute, Baltimore, Johns Hopkins Univ. Baltimore, USA.

SIMBOL-X - Formation flying for a next-generation X-ray telescope: Osservatorio Astronomico di Brera, Italy; CEA Saclay, France; Universität Tübingen, Universität Erlangen, Germany.

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

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

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

XMM-Newton/TS (Telescope Scientist): ESTEC Noordwijk, The Netherlands.

XMM-Newton/EPIC (European Photo Imaging Camera): 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.

## Industrielle Kollaborationen

ABN GmbH, Neuried: Betreuung der Testanlage PANTER.

ADTEC Plasma Technology Co. Ltd., Hiroshima: Entwicklung eines Niedertemperatur-Plasma-Gerätes zur in-vivo Sterilisation für Medizinanwendungen.

Albedo GmbH, Soft- and Hardware Entwicklung für PK-3 Plus; Elektronik für SDD-Auslese.

ASTEQ GmbH, Kelkheim: Fertigung von Detektorarrays aus gedrücktem Ge:Ga und Bearbeitung von Detektorproben aus Galliumarsenid; SAFARI.

BASF Coatings AG, Münster: Untersuchung der Streueigenschaften von Mikropartikeln.

Bonerz engineering, Weiler-Simmerberg: Platinenentwicklung, Elektronikentwicklung.

Buchberger GmbH, Tuchenbach: Fertigung Strukturteile für PANTER-Manipulatoren und OPTIMA; Strukturteile CAST und GROND, LUCIFER.

Carl Zeiss, Jena: eROSITA Spiegel und Mandrels.

Drollinger, Birkenfeld: Vergoldung von Detektorteilen für FIFI-LS.

ESS, Landsberg: Wartung der Elektroinstallation; Ergänzung der Ansteuerungseinheit für das Vakuumpumpensystem; Fertigung von elektrischen Ansteuerungen für die Testanlagen PANTER, CALIFA und PUMA.

ESL GmbH, Berlin: Fertigung von Leiterplatten.

Frank Optic Products GmbH, Berlin: VIRUS-W Faserbündel.

Freyer GmbH, Tuningen: Fertigung von Strukturteilen für LUCIFER; PANTER.

IMEC, Leuven, Belgium: Herstellung von kryogenen Ausleseelektronik-Schaltkreisen in neuer CMOS Technologie

für IR-Detektoren auf Herschel-PACS; FIFI-LS; SAFARI.

Guido Lex Werkzeugbau GmbH, Miesbach: Strukturteile für FIFI-LS.

Hans Englett OHG, Berlin: Fertigung von Frontplatten und Meßvorrichtungen.

Harold Johnson, Gardena, USA: Spiegel und Normalisierungslinsen.

Ingenieurbüro Buttler, Essen: Front-End Elektronikentwicklung für XEUS und eROSITA.

Ingenieurbüro pfma, Haar-Salmdorf: SAFARI.

Ingenieurbüro Weisz, München: Design und Konstruktion für LUCIFER; PACS Testoptik; SAFARI.

JDS Uniphase Corporation, Milpitas, USA: VIRUS-W Schammbandfilter.

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

Kayser-Threde GmbH, München: Hauptkontraktor für Herschel-PACS; Halbleiter-Detektoren Gamma-Astronomie; Plasmakristall-Experiment auf der Internationalen Raumstation; PKE; PK-3 Plus; PK-4; eROSITA-Spiegel-system.

Kugler GmbH, Salem: Spiegel für OPTIMA, FIFI-LS.

Laserjob GmbH, Grafrath, Entwicklung Röntgenbaffle für eROSITA.

PNSensor, München: Entwicklung und Fertigung von Halbleiterdetektoren; Montage von Halbleiterdetektorsystemen; ARGOS.

POG Präzisionsoptik, Gera: Kameraobjektiv VIRUS-W, Prismen für VIRUS-W GRISM, Strahlteiler für 3-Kanal-kamera.

Pribil D., Unterhaching: Fertigung von Strukturteilen für



OPTIMA; LUCIFER.

Sagem, Paris: Fertigung von Filtern für OmegaCAM.

SCHOTT GLAS, Mainz: Machbarkeitsstudie zur Spiegel-fertigung; XEUS.

Siegert Electronics GmbH, Cadolzburg: Ausleseelektronik-Platinen für FIFI-LS; SAFARI.

Tafelmaier Dünnschichttechnik, Rosenheim: Spiegel und Antiflexbeschichtungen.

Technotron, Lindau: Entwicklung und Fertigung der Platinen Layouts für eROSITA.

Zeiss, Oberkochen: Politur der Spiegel für SPIFFI.

## Aktivitäten im Wissenstransfer

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

### A) Industriefinanzierte Forschungsk Kooperationen

Dr. Johannes Heidenhain-Stiftung, Traunreut: Technologische Entwicklung auf dem Gebiet der Röntgenoptik und Röntgenspektroskopie; Absolutkalibrierung eines Röntgen-CCD Systems.

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

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

PNSensor, München, Aufbau und Test einer Gamma-Strahlen-Kamera.

### B) Lizenzen

Ganimed AG, Freiburg: EKG-Analysen.

ADTEC, Japan, Plasma Torch.

Biocam, GmbH, Regensburg: Melanomerkennung.

Baader Planetarium GmbH, Mammendorf: Reflexionsgitter Spectrograph für Lehrzwecke.

PNSensor, München, Detektortechnologie

Baader Planetarium GmbH, Mammendorf: Baches Echelle Spectrograph

### C) Kooperationen mit Universitäten (vertraglich)

Anästhesiologie:

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

Rastersonden-Mikroskopie:

Institut für Kristallographie und Angewandte Mineralogie, Ludwig-Maximilians-Universität, München.

Radiologie:

Institut für Röntgendiagnostik, TU München.

Mustererkennung:

Bayerisches Landeskriminalamt, StZ, München.

Plasmamedizin:

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).

Detektorentwicklung:

Universität Mannheim, ASIC Entwicklung.

Politecnico di Milano, Analog-Elektronik Entwicklung

### D) Patente - Aktivitäten in 2008

DEPFET Semiconductor Structure, Pat. US 7,518,203, USA.

Halbleiterdetektoren zur Strahlungsdetektion und zugehörigem Betriebsverfahren, EP 2 009 698 A2.

Halbleiterdetektor, DE 10 2007 029 898 B3, 2008.08.21  
DEPFET Transistor mit großem Dynamikbereich, DE 2008 048 890.6

„Non-thermal Wound Treatment and Associated Apparatus and Method“ (Europäische Patentanmeldung).

„Plasma Applicator and Corresponding Method“ (Europäische Patentanmeldung).

Weiterführung von Patentanmeldungen, deren Prioritätsdatum vor dem 1.1.2008 liegt:

„Venturi-PlaSter“ (PCT-Anmeldung EP08/003568)