

## 5 PUBLIKATIONEN / PUBLICATIONS

### Referierte Publikationen / Refereed Publications

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## Vorträge / Talks

Annaratone, B.: The ESA 'Plasma Laboratory in Space' study, contributed talk, ESCAMPIG XVIII, Lecce, Italy, July 2006.

Annaratone, B.: Plasma Kinetics Issues in the ESA Plasma Laboratory in Space Study', contributed talk, 25th International symposium on Rarefied Gas Dynamics, St. Petersburg, Russia, July 2006.

Annaratone, B.M., M. Chaudhuri and G.E. Morfill: A new diagnostic to characterise a plasma crystal, contributed talk, 33rd European Physical Society Conference on Plasma Physics, Rome, Italy, June 2006.

Aschenbach, B.: Quasi-periodic oscillations from Sgr A\*, invited talk, 11th Marcel Grossmann Meeting, Berlin, Germany, July 2006.

Aschenbach, B.: The anomalous orbital velocity effect and high frequency quasi-periodic oscillations in accreting black holes, contributed talk, XXIX Spanish Relativity Meeting E.R.E., Palma de Mallorca, Spain, September 2006.

Aschenbach, B.: The X-ray evolution of the supernova SN 1987A, invited talk, Frontier Objects in Astrophysics and Particle Physics, Vulcano, Italy, May 2006.

Bauer, M.: The Nuclear Outflow of the Starburst Galaxy NGC 253 with XMM-Newton, contributed talk, The Extreme Universe in the Suzaku Era, Kyoto, Japan, December 2006.

Becker, W.: Future optical and X-ray observatories for pulsar studies, invited talk, IAU General Assembly JD02, On the present and future of pulsar astronomy, Prague, Czech Republic, August 2006.

Becker, W.: Future Optical, X-ray and Gamma-ray Facilities for pulsar studies, colloquium, Huntsville, AL, USA, November 2006.

Becker, W.: Sonne, Mond und Sterne, public talk, Simpert-Krämer-Gymnasium Krumbach, Germany, December 2006.

Becker, W.: Sonne, Mond und Sterne, public talk, Walter-Klingenbeck Realschule, Taufkirchen, Germany, December 2006.

Becker, W.: X-ray emission properties of old pulsars, contributed talk, 363<sup>rd</sup> WE-Heraeus-Seminar on Neutron Stars and Pulsars, Bad Honnef, Germany, May 2006.

Becker, W.: X-ray Emission Properties of Old Pulsars, invited talk, Isolated Neutron Stars: from the interior to the surface, London, UK, April 2006.

Bender, R.: The supermassive black hole in M31,

Astrophysics Colloquium, University of Princeton, invited talk, Princeton, USA, February 2006.

Bender, R.: The supermassive black hole in M31, Astrophysics Colloquium, Pennsylvania State University, invited talk, State College, USA, February 2006.

Bender, R.: The supermassive black hole in M31, Astrophysics Colloquium, Carnegie Institution, invited talk, Washington, USA, February 2006.

Bender, R.: The supermassive black hole, Astrophysics Colloquium, invited talk, Caltech, Pasadena, USA, March 2006.

Bender, R.: Lectures on Stellar Dynamics, invited talk, Bad Honnef, Germany, September 2006.

Blagau, A.: The dayside magnetopause in the spring of 2004: A case study and a statistical report from Cluster, contributed talk, AEF/DPG Tagung, Heidelberg, Germany, March 2006.

Böhringer, H.: Studying Dark Energy with X-ray Cluster Surveys, invited talk, Dark Energy Workshop, Ringberg, February 2006.

Böhringer, H.: On the Baryon Matter Content of Galaxy Clusters, contributed talk, Moriond Meeting- From Dark Halos to Light, La Thuille, Italy, March 2006.

Böhringer, H.: Studying Dark Energy with the eROSITA X-ray Cluster Survey, invited talk, eROSITA Workshop at MPE, Garching, Germany, April 2006

Böhringer, H.: Scaling Relations and Cosmology with Edge and eROSITA, invited talk, Workshop for the Edge satellite, Rome, Italy, December 2006.

Boller, Th.: 6 years of XMM-Newton and Chandra observations: What have we really learned?, invited talk, AIP seminar, Potsdam, Germany, March 2006.

Boller, Th.: AGN Science learned from previous missions: Issues for the coming decade, invited talk, Tokio Workshop on future X-ray missions, Tokyo, Japan, June 2006.

Boller, Th.: AGN with high-energy spectral drops: Status and issues for the coming decade, invited talk, The 2006 XMM-Newton workshop, Villa Franca, Spain, August 2006.

Boller, Th.: Anfang und Ende des Universums, public talk, Schulvorträge im Rahmen der Max-Planck Hauptversammlung, Königstein Taunus, Germany, July 2006.

Boller, Th.: Anfang und Ende des Universums: Was mit uns geschehen wird, public talk, Festveranstaltung der

- GSF zur Verabschiedung von Hans Jahreiss, Neuherberg GSF, Germany, September 2006.
- Boller, Th.:* Black Hole Masses and Accretion Rates, invited talk, Workshop in honour of Hagai's Netzer 60th birthday, Tel Aviv, Israel, February 2006.
- Boller, Th.:* Die wahre Geschichte des Sterns von Bethlehem, public talk, Samariter Bund München Süd, Munich, Germany, August 2006.
- Boller, Th.:* Die wahre Geschichte des Sterns von Bethlehem, public talk, Evangelische Gemeinde Freising, Germany, December 2006.
- Boller, Th.:* Gravitativ redshifted soft X-ray lines, invited talk, The extreme universe in the Suzaku era, Kyoto, Japan, December 2006.
- Boller, Th.:* Matter under strong gravity, invited talk, International Symposium on Heavy Ion Physics 2006, Frankfurt am Main, Germany, April 2006.
- Boller, Th.:* Schwarze Löcher, public talk, Schulvortrag im Rahmen der Max-Planck Hauptversammlung, Frankfurt am Main, Germany, July 2006.
- Boller, Th.:* Super-Eddington accretion in narrow-line Seyfert 1 galaxies: Implications for black hole growth, invited talk, Japanese-German Workshop, Kreuth, Germany, February 2006.
- Bouché, N.:* Are strong MgII absorbers the signature of outflows?, contributed talk, The Fate of the Gas in Galaxies, Dwingeloo, The Netherlands, July 2006.
- Bouché, N.:* New perspectives on winds from MgII absorbers, colloquium, IAP, Paris, France, June 2006.
- Bouché, N.:* Nouvelles perspectives sur les vents galactiques avec les absorbants MgII, colloquium, Seminar at the CEA/Saclay in Paris, France, June 2006.
- Brusa, M.:* Obscured AGN in COSMOS: the multiwavelength challenge, contributed talk, Extragalactic Survey: a Chandra science workshop, Cambridge, MS, USA, November 2006.
- Brusa, M.:* The AGN content of the COSMOS: the XMM-Newton view, contributed talk, 7th Italian National Conference on AGN, Montagnana (Pd), Italy, May 2006.
- Brusa, M.:* The AGN content of the COSMOS: the XMM-Newton view, contributed talk, Galaxies and structure through the cosmic time, Venice, Italy, March 2006.
- Brusa, M.:* The AGN content of the COSMOS: the XMM-Newton view, contributed talk, Ringberg COSMOS meeting, Ringberg, Germany, September 2006.
- Burwitz, V.:* High Resolution X-ray Spectra of Magnetic CVs, contributed talk, High resolution X-ray spectroscopy: towards XEUS and Con-X, UCL Mullard Space Science Laboratory (MSSL), UK, March 2006.
- Burwitz, V.:* ROSAT, Chandra-LETGS (+EUVE), and XMM-PN on the very soft X-ray range <0.3 keV using HZ43, Sirius B and RXJ1856, contributed talk, International Working Group on cross-calibration and the definition of X-ray standards, Nesbud, Iceland, May 2006.
- Cappelluti, N.:* Long term X-ray variability of AGN in the COSMOS field, contributed talk, Scuola nazionale di astrofisica, Bertinoro, Italy, May 2006.
- Collmar, W.:* Recent Multiwavelength Campaigns on 3C 279, contributed talk, GLAST Data Challenge II Workshop, Stanford, USA, March 2006.
- Dasyra, K.:* QUEST: A QSO and ULIRG Evolutionary Study in the Near- and Mid-Infrared, contributed talk, Studying Galaxy Evolution with Spitzer and Herschel, Crete, Greece, May 2006.
- Davies, R.:* Eddington Limited Starbursts in the Central 10pc of AGN, contributed talk, The Central Engine of AGN, Xi'an, China, October 2006.
- Davies, R.:* Star Formation and Molecular Gas in AGN, contributed talk, Mapping the Galaxy and Nearby Galaxies, Ishigaki, Japan, June 2006.
- Dennerl, K.:* High Resolution Imaging X-ray Spectroscopy of Mars, contributed talk, High resolution X-ray spectroscopy: towards XEUS and Con-X, UCL Mullard Space Science Laboratory (MSSL), UK, March 2006.
- Dennerl, K.:* X-rays from Mars, invited talk, Kiruna Mars Workshop: Solar wind interaction and atmospheric evolution, Kiruna, Sweden, February 2006.
- Diehl, R.:*  $^{26}\text{Al}$  in the Galaxy, contributed talk, INTEGRAL Science Workshop, Moscow, Russia, July 2006.
- Diehl, R.:* Cosmic Nuclear Reactions, invited talk, Int. Summer School on Subatomic Particles, Beijing, China, August 2006.
- Diehl, R.:* Gamma-ray Line Astronomy with the INTEGRAL Satellite, invited talk, XXIII. Texas Symposium "Texas in Australia", Melbourne, Australia, December 2006.
- Diehl, R.:* Gamma-ray Spectroscopy Observations and their Interpretations: Lessons from INTEGRAL, contributed talk, XIII. Nuclear-Astrophysics Workshop, Ringberg, Germany, April 2006.
- Diehl, R.:* Gamma-ray Spectroscopy with INTEGRAL, colloquium, Joint Astrophysics Colloquium, Garching, Germany, January 2006.
- Diehl, R.:* Gamma-ray Spectroscopy with INTEGRAL, invited talk, Nuclei in the Cosmos IX., Geneva, Switzerland, June 2006.
- Diehl, R.:* Gamma-ray Spectroscopy with INTEGRAL, invited talk, VISTARS Nuclear-Astrophysics Winter School, Russbach, Austria, March 2006.
- Diehl, R.:* High-energy Astrophysics with Gamma-ray Telescopes, colloquium, University of Chicago Astrophysics Colloquium, Chicago, USA, February 2006.
- Diehl, R.:* High-energy Astrophysics with Gamma-ray Telescopes, colloquium, Argonne National Laboratory, Physics Colloquium, Chicago, USA, February 2006.
- Diehl, R.:* INTEGRAL/SPI Science and Connections to Suzaku, invited talk, Suzaku Workshop, Kyoto, Japan, December 2006.
- Diehl, R.:* The Sites of Cosmic Nuclear Reactions, invited talk, Int. Summer School on Subatomic Particles, Beijing, China, August 2006.
- Eisenhauer, F.:* The Galactic Center: The Nearest Laboratory for Studying Supermassive Black Holes, invited talk, The Relativistic Universe, Wildbad Kreuth, Germany, February 2006.

- Fassbender, R.:* Finding X-ray luminous galaxy cluster at  $z > 1$ , colloquium, AURA, La Serena, Chile, September 2006.
- Fassbender, R.:* Finding X-ray luminous galaxy cluster at  $z > 1$ , colloquium, Universidad Catolica de Chile, Santiago, Chile, September 2006.
- Fassbender, R.:* Finding X-ray luminous galaxy cluster at  $z > 1$ , contributed talk, Calar Alto Colloquium 2006, Granada, Spain, April 2006.
- Fink, M.:* Fluid flows at the kinetic level, contributed talk, 5th International Symposium on Turbulence, Heat and Mass Transfer, Dubrovnik, Croatia, September 2006
- Förster Schreiber, N.M.:* SINS: the high redshift galaxy Spectroscopic Imaging survey in the Near-IR with SINFONI, contributed talk, Workshop on Massive Galaxies over Cosmic Time 2, Tucson, USA, November 2006.
- Förster Schreiber, N.M.:* SINS: the high redshift galaxy Spectroscopic Imaging survey in the Near-IR with SINFONI, contributed talk, Conference At the Edge of the Universe, Sintra, Portugal, October 2006.
- Förster Schreiber, N.M.:* The SINS Survey: spatially-resolved dynamics and properties of high- $z$  galaxies from near-IR integral field spectroscopy with SINFONI, colloquium, Observatories of the Carnegie Institution of Washington, Pasadena, USA, November 2006.
- Friedrich, S.:* Search for Giant Planets around White Dwarfs with HST, Spitzer, and VLT, contributed talk, 15th European Workshop on White Dwarfs, Leicester, UK, August 2006.
- Genzel, R.:* Dynamics of  $z \sim 2$  Galaxies, colloquium, Astronomy Seminar, ESO Santiago, Santiago, Chile, March 2006.
- Genzel, R.:* Dynamics of  $z \sim 2$  Star Forming Galaxies, colloquium, University of Uppsala, Sweden, February 2006.
- Genzel, R.:* Massive Black Holes, colloquium, Celsius-Linnaeus Lecture, University of Uppsala, Sweden, February 2006.
- Genzel, R.:* Massive Black Holes, colloquium, Joint Colloquium of Astronomical Observatory, Department of Astronomy, SISSA and ICTP, Trieste, Italy, April 2006.
- Genzel, R.:* Spatially Resolved Galaxy Kinematics at  $z \sim 2$ : Testing Mass Assembly, invited talk, De-Shalit Memorial Lecture, Weizmann Institute, Tel Aviv, Israel, February 2006.
- Genzel, R.:* Spatially Resolved Galaxy Kinematics at  $z \sim 2$ : Testing Mass Assembly, invited talk, Mapping the Galaxy and Nearby Galaxies, "Sofue-Fest", Ishigaki Island, Okinawa, Japan, June 2006.
- Genzel, R.:* Summary Talk, invited talk, Conference "Visions for Infrared Astronomy" in Honor of Pierre Léna, Paris, France, March 2006.
- Genzel, R.:* The Central Black Hole and Nuclear Star Cluster of the Galaxy, colloquium, University of Stockholm, Stockholm, Sweden, February 2006.
- Genzel, R.:* The Galactic Centre, invited talk, RAS National Astronomy Meeting, Royal Astronomical Society, Leicester, UK, April 2006.
- Genzel, R.:* The Massive Black Hole at the Center of the Milky Way, colloquium, Lawrence Livermore National Laboratory/Institute for Geophysics and Planetary Physics (LNL/IGPP) Seminar, Livermore, USA, January 2006.
- Genzel, R.:* The Massive Black Hole at the Center of the Milky Way, invited talk, Workshop "Active Galactic Nuclei: From Atoms to Black Holes" in Celebration of Hagai Netzer's 60th Birthday, Tel Aviv, Israel, February 2006.
- Genzel, R.:* AGN News, invited talk, Bay Workshop on Galaxy Formation, University of California, Santa Cruz, USA, August 2006.
- Genzel, R.:* Black Holes in Galaxies, public talk, IAU XXVI General Assembly, Prague, Czech Republic, August 2006.
- Genzel, R.:* Dynamics of Galaxies at  $z \sim 2-3$ : Observing the Assembly of Massive Galaxies with Imaging Spectroscopy, colloquium, ESO-USM-MPA-MPE Munich Joint Astronomy Colloquium, Garching, Germany, June 2006.
- Genzel, R.:* Infrared Observations of SgrA\*, invited talk, The Fourth Harvard-Smithsonian Conference on Theoretical Astrophysics "The History of Nuclear Black Holes in Galaxies", Harvard University, Cambridge, USA, 2006.
- Genzel, R.:* Kinematics of high- $z$  galaxies, colloquium, Theory Lunch Seminar, Astronomy Department, University of California, Berkeley, USA, September 2006.
- Genzel, R.:* Massive Schwarze Löcher und Galaxien, invited talk, Deutsche Akademie der Naturforscher Leopoldina, Halle (Saale), Germany, October 2006.
- Genzel, R.:* Massive Schwarze Löcher und Galaxien, invited talk, Festkolloquium zum Geburtstag von Prof. von Schnering, MPI für Festkörperforschung, Stuttgart, Germany, July 2006.
- Genzel, R.:* SINS high- $z$  kinematics data, invited talk, Bay Workshop on Galaxy Formation, University of California, Santa Cruz, USA, August 2006.
- Genzel, R.:* Studying Galaxies and Molecules at High Redshift, invited talk, Nobel Symposium, Stockholm University, Södertuna, Sweden, June 2006.
- Genzel, R.:* Studying Galaxy Formation: Dynamics of High- $z$  Galaxies, colloquium, MPI für Sonnensystemforschung, Katlenburg-Lindau, Germany, November 2006.
- Genzel, R.:* The Black Hole in Our Galactic Center, invited talk, 11th Marcel Grossmann Meeting, plenary talk, Berlin, Germany, July 2006.
- Genzel, R.:* The Black Hole in our Galactic Center, invited talk, IAU Symposium No. 238 "Black Holes: From Stars to Galaxies", IAU XXVI General Assembly, Prague, Czech Republic, August 2006.
- Genzel, R.:* The Central Black Hole and Nuclear Star Cluster of the Galaxy, invited talk, Plenary Talk, SPIE Symposium 'Astronomical Telescopes & Instrumentation', Orlando, USA, May 2006.
- Genzel, R.:* The Power of New Experimental Techniques in Astronomy: Zooming in on the Black Hole in the Center of the Milky Way, invited talk, ID #4, invited discourse, IAU XXVI General Assembly, Prague, Czech Republic,



August 2006.

*Gerhard, O.:* NMAGIC - a new way of modelling galaxies, colloquium, 'Dissecting the Milky Way', Lorentz Workshop, Leiden, The Netherlands, November 2006.

*Gerhard, O.:* Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Joint Astrophysics Colloquium, ESO, Garching, Germany, February 2006.

*Gerhard, O.:* Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Institute of Astronomy, Cambridge, UK, March 2006.

*Gerhard, O.:* Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Departamento de Astronomia, Universidad de Concepcion, Concepcion, Chile, March 2006.

*Gerhard, O.:* Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Departamento de Astronomia, P. Universidad Catolica, Santiago, Chile, March 2006.

*Gerhard, O.:* Stars between Galaxies: The Diffuse Stellar Population in Galaxy Clusters, colloquium, Observatoire de Strasbourg, France, October 2006.

*Gillessen, S.:* Variations in the spectral slope of Sgr A\* during a NIR flare, contributed talk, Galactic Center Workshop 2006, Bad Honnef, Germany, April 2006.

*Haaland, S.:* Orientation and motion of plasma structures using single or multiple spacecraft: Experiences from the Cluster mission, invited talk, AGU Joint Assembly, Baltimore, USA, May 2006.

*Haberl, F.:* The Magnificent Seven - Similarities and Differences, invited talk, 363. WE-Heraeus Seminar on Neutron Stars and Pulsars - About 40 years after the discovery, Bad Honnef, Germany, May 2006.

*Haberl, F.:* The Magnificent Seven: Magnetic Fields and Surface Temperature Distributions, invited talk, Understanding Neutron Stars, Workshop at the University of Alicante, Spain, September 2006.

*Haberl, F.:* The pulsars among the Magnificent Seven, invited talk, Isolated Neutron Stars: from the Surface to the Interior, London, UK, April 2006.

*Haerendel, G.:* Energy Transfer in Auroral Arcs, invited talk, International Symposium on Earth-Sun System Exploration: Energy Transfer, Kona, Hawaii, USA, January 2006

*Haerendel, G.:* The enigma of auroral spirals, contributed talk, 36th COSPAR General Assembly, Beijing, China, July 2006.

*Haerendel, G.:* An Analytical Model of Auroral Arcs, invited talk, Symposium: 10 Years FAST Mission, Bodega Bay, USA, August 2006.

*Haerendel, G.:* New Insights Into a Near-Earth Origin of Substorms, contributed talk, 12th Cluster-Double Star Workshop, Saariselka, Finland, September 2006.

*Haerendel, G.:* Auroral Arcs: Model and Reality, Space Science Seminar, University of California, Berkeley, USA, October 2006.

*Hasinger, G.:* Auf der Suche nach der Dunklen Energie ,

colloquium, Physikalisches Kolloquium, Mainz, Germany, April 2006.

*Hasinger, G.:* Chasing Black Holes and Dark Energy with (future) X-ray Surveys, colloquium, NASA Goddard Space Flight Center, Greenbelt, Maryland, USA, February 2006.

*Hasinger, G.:* Probing the Dark Universe with Galaxy Clusters, invited talk, TR33-Symposium: The Dark Universe, Heidelberg, Germany, November 2006.

*Hasinger, G.:* Spectrum-RG/eROSITA/Lobster Dark Energy Survey, colloquium, Institute for High Energy Physics, CAS, Beijing, China, July 2006.

*Hasinger, G.:* Accretion through Cosmic Time, invited talk, NAM Meeting, Leicester, UK, April 2006.

*Hasinger, G.:* Am Himmel ist die Hölle los!, invited talk, Astrophysik und die Wunder des Universums, SZ-Forum Wissen, Munich, Germany, May 2006.

*Hasinger, G.:* Am Himmel ist die Hölle los!, public talk, Lange Nacht der Wissenschaftstage, LMU München, Germany, October 2006.

*Hasinger, G.:* Am Himmel ist die Hölle los!, invited talk, Impuls-Referat, MPG Präsidentenhaus, München, Germany, April 2006.

*Hasinger, G.:* Am Himmel ist die Hölle los!, invited talk, Verabschiedung von Prof. Dr. Joachim Treusch, Berlin, Germany, October 2006.

*Hasinger, G.:* Am Himmel ist die Hölle los!, public talk, Deutsche Schule Washington, USA, February 2006.

*Hasinger, G.:* Auf der Suche nach der Dunklen Energie, colloquium, Wiener Physikalisches Kolloquium, Vienna, Austria, April 2006.

*Hasinger, G.:* Black Hole Cosmic Evolution, invited talk, Scuola Nazionale di Astrofisica, Bertinoro, Italy, May 2006.

*Hasinger, G.:* Das Dunkle Universum, public talk, Festvortrag zur Sitzung der Deutschen Akademie der Naturforscher Leopoldina, Halle, Germany, December 2006.

*Hasinger, G.:* Das Schicksal des Universums - Neue Erkenntnisse der Kosmologie, public talk, Max-Born-Gymnasium Germering, Germany, January 2006.

*Hasinger, G.:* Das Schicksal des Universums, public talk, Volkshochschule Ingolstadt, Germany, February 2006.

*Hasinger, G.:* Die Farben des Himmels, invited talk, Öffentliche Ringvorlesung: Bilderwelten – Vom farbigen Abglanz der Natur, Georg-August-Universität Göttingen, Germany, November 2006.

*Hasinger, G.:* Entstehung und Entwicklung Schwarzer Löcher in Galaxienzentren, colloquium, Physikalisches Kolloquium der Universität Dortmund, Germany, July 2006.

*Hasinger, G.:* Entstehung und Entwicklung Schwarzer Löcher, colloquium, Physikalisches Kolloquium der Universität Duisburg-Essen, Germany, April 2006.

*Hasinger, G.:* eROSITA , invited talk, MPE Dark Energy Workshop, Ringberg, Germany, February 2006.

*Hasinger, G.:* Evolution Driven by Galaxy Mergers, invited

talk, 17<sup>th</sup> Annual October Astrophysics Conference in Maryland Radiation Backgrounds from the First Stars, Galaxies and Black Holes, Maryland, USA, October 2006.

*Hasinger, G.:* Formation and Evolution of Black Holes in the Universe. Active Galactic Nuclei: From Atoms to Black Holes, invited talk, Hagai Netzer Fest-Kolloquium, Tel Aviv, Israel, February 2006.

*Hasinger, G.:* Galaxies and Structures through Cosmic Times, invited talk, AGN Evolution, Venice, Italy, March 2006.

*Hasinger, G.:* Gott als Anfang?, invited talk, Symposion: Naturwissenschaft und Religion, Universität Tübingen, Germany, July 2006.

*Hasinger, G.:* Hell on Heaven: Black Holes and the Fate of the Universe, public talk, 3rd Lecture of the DFG German Research Forum, German Embassy Washington, USA, February 2006.

*Hasinger, G.:* High Energy Facilities - Astronomical Facilities of the Next Decade, invited talk, Special Session 1 at the XXVI<sup>th</sup> IAU General Assembly, Prague, Czech Republic, August 2006.

*Hasinger, G.:* High Energy Facilities Astronomical Facilities of the Next Decade, invited talk, Special Session 1 at the XXVI<sup>th</sup> IAU General Assembly, Prague, Czech Republic, August 2006.

*Hasinger, G.:* Hunting Dark Energy, colloquium, Kolloquium für Physik und Astronomie, Universität Basel, Switzerland, June 2006.

*Hasinger, G.:* Perspectives of Research – Identification and Implementation of Research Topics by Organisations, invited talk, Perspectives for Astronomy and Astrophysics in Germany and its International Context, Ringberg, Germany, May 2006.

*Hasinger, G.:* Radiation Backgrounds: Observations across the Electromagnetic Spectrum, invited talk, The History of Nuclear Black Holes in Galaxies, Harvard University, USA, May 2006.

*Hasinger, G.:* Spectrum-RG/eROSITA/Lobster Dark Energy Survey, invited talk, COSPAR 36. Scientific Assembly, Beijing, China, July 2006.

*Hasinger, G.:* Suzaku observations of SNR1987A, contributed talk, COSPAR 36. Scientific Assembly, Beijing, China, July 2006.

*Hasinger, G.:* The Growth of supermassive Black Holes in the Universe, invited talk, Relativistic Universe: Japanese-German Colloquium, Wildbad Kreuth, Germany, March 2006.

*Hasinger, G.:* The new XEUS science case, invited talk, High Energy Astrophysics in the NExT Decade, Tokyo, Japan, June 2006.

*Hasinger, G.:* The new XEUS science case, invited talk, SPIE Meeting, Orlando, USA, May 2006.

*Hasinger, G.:* The XMM-COSMOS project: status report, invited talk, COSMOS Consortium Meeting, Ringberg, Germany, September 2006.

*Hasinger, G.:* The X-ray background and the evolution of Active Galactic Nuclei : From Atoms to Black Holes,

invited talk, Hagai Netzer Fest-Kolloquium, Tel Aviv, Israel, February 2006.

*Hasinger, G.:* X-ray Insights into the Early QSO Evolution, invited talk, 11<sup>th</sup> Marcel Grossman Meeting, Berlin, Germany, July 2006.

*Hasinger, G.:* X-ray view of the formation of the first objects in the Universe - New Clues from Cosmology, invited talk, Second World Conference on The Future of Science, Venice, Italy, September 2006.

*Jamitzky, F.:* Intermittency in dynamic atomic force microscopy, colloquium, International Symposium on Nonlinear Theory and its Applications NOLTA, Bologna, Italy, September 2006.

*Jamitzky, F.:* Numerical Simulations for the Nanoworld, invited talk, UFRJ University Federal de Rio de Janeiro, Brazil, November 2006.

*Jamitzky, F.:* Chaotic Modes of the Atomic Force Microscope, invited talk, Inmetro - National Institute of Metrology, Standardisation and Industrial Quality, Petropolis, Brazil, November 2006.

*Kanbach, G.:* Gamma-ray emission of pulsars: status and multi-wavelength context, invited talk, 363<sup>rd</sup> Heraeus Seminar: Neutron stars and Pulsars, Bad Honnef, Germany, May 2006.

*Kanbach, G.:* Solar Flares, invited talk, 4th Workshop on: Science with the New Generation of High Energy Gamma-ray Experiments, Portoferraio, Italy, June 2006.

*Kanbach, G.:* The Optical Pulsar Timing Analyzer OPTIMA, invited talk, Workshop on High Time Resolution Astrophysics, Galway, Ireland, June 2006.

*Khrapak, S.A.:* Prediction of critical point in complex plasmas, contributed talk, 14<sup>th</sup> Gaseous Electronics Meeting incorporating Workshop on Dynamics and Statistics of Complex Multi-component Systems in Ionized Gases, Batemans Bay, Australia, February 2006.

*Khrapak, S.A.:* Complex Plasmas - Basic Physics and Applications, invited talk, 14<sup>th</sup> Gaseous Electronics Meeting incorporating Workshop on Dynamics and Statistics of Complex Multi-component Systems in Ionized Gases, Batemans Bay, Australia, February 2006.

*Khrapak, S.A.:* Conditions for critical point observations in complex plasmas, contributed talk, ESA/JAXA meeting on Critical Point in Complex Plasmas, Noordwijk, Holland, October 2006.

*Khrapak, S.A.:* Critical point studies with PK-4, contributed talk, PK-4 Science Meeting, Ringberg, Germany, January 2007.

*Khrapak, S.A.:* Grain surface temperature in gas discharges, contributed talk, Workshop on Diagnostics and Simulations of Dusty Plasmas, Kiel, Germany, September 2006.

*Khrapak, S.A.:* Ion drag force in highly collisional plasmas, contributed talk, Annual Moscow Workshop on the Non-Ideal Plasma Physics, Moscow, Russia, November 2006.

*Khrapak, S.A.:* Further developments in critical point studies with complex plasmas: Role of neutral gas, contributed talk, 2nd Critical Point Symposium, Orleans,

France, May 2006.

*Khrapak, S.A.*: Phase transitions and critical point in complex plasmas, colloquium, KTH, Alfvén laboratory, Stockholm, Sweden, October 2006.

*Kis, A.*: Wave-Particle Coupling Upstream of Earth's Quasi-Parallel Bow Shock, contributed talk, AEF/DPG Tagung, Heidelberg, Germany, March 2006.

*Klecker, B.*: Acceleration and transport modelling of SEP charge states in Impulsive Events: a Case Study, contributed talk, EGU General Assembly, Vienna, Austria, April 2006.

*Klecker, B.*: Charge state measurements during solar cycles 21 - 23: what did we learn?, contributed talk, ISSI Team Meeting "Impulsive Solar Energetic Particle Events", Bern, Switzerland, January 2006.

*Klecker, B.*: Energy dependent ionic charge states in solar energetic particle events, contributed talk, SOHO/CELIAS-STEREO/PLASTIC workshop, Portland, Maine, USA, March 2006.

*Klecker, B.*: Höhepunkte der Cluster Mission nach fünf Jahren Betrieb, invited talk, AEF/DPG Tagung, Heidelberg, Germany, March 2006.

*Klecker, B.*: Ion outflow studies with CLUSTER / CIS, invited talk, 36<sup>th</sup> COSPAR General Assembly, Beijing, China, July 2006.

*Klecker, B.*: Ionic Charge States in Interplanetary Shock Related Solar Energetic Particle Events, contributed talk, AGU Fall Meeting, San Francisco, USA, December 2006.

*Klecker, B.*: Ionic charge states of solar energetic particles: a clue to the source, invited talk, Symposium on the Composition of Matter, Grindelwald, Switzerland, September 2006.

*Klecker, B.*: IWF Cluster data analysis using CIS data, contributed talk, CIS Team Meeting, Paris, France, June 2006.

*Klecker, B.*: Report on the CIS/CODIF MCP Anomaly onboard Cluster1, contributed talk, CIS Team Meeting, Paris, France, June 2006.

*Klecker, B.*: Solar energetic particles: progress of our understanding in the SOHO era, invited talk, SOHO-17: 10 Years of SOHO and Beyond, Giardini Naxos, Italy, May 2006.

*Klecker, B.*: Solare energetische Teilchen: neue Ergebnisse von SAMPEX, SOHO und ACE, colloquium, Universität Kiel, Germany, June 2006.

*Komossa, S.*: Binary Supermassive Black Holes, invited talk, Physics and Astrophysics of Supermassive Black Holes, Santa Fe, USA, July 2006.

*Komossa, S.*: Black Hole Mergers, invited talk, Cospar Symposium, Beijing, China, July 2006.

*Komossa, S.*: Extreme Accretion Events: Flares from Galactic Centers, invited talk, Black Holes - Power Behind the Scene, Kathmandu, Nepal, October 2006.

*Komossa, S.*: Radio-loud Narrow-line Seyfert 1 galaxies, contributed talk, Xian, China, October 2006.

*Komossa, S.*: Radio-loud narrow-line type I quasars,

invited talk, From Atoms to Active Galactic Nuclei, Tel Aviv, Israel, February 2006.

*Komossa, S.*: Radio-loud NLS1 galaxies and the radio-loud radio-quiet dichotomy of AGN, invited talk, The Relativistic Universe, Wildbad Kreuth, Germany, February 2006.

*Komossa, S.*: Radio-loud NLS1 galaxies, colloquium, National Astronomical Observatories China, Beijing, China, July 2006.

*Komossa, S.*: Radio-loudness and NLS1 galaxies: a multi-wavelength study, contributed talk, COSPAR Symposium, Beijing, China, July 2006.

*Komossa, S.*: Supermassive Black Holes at the Centers of Galaxies. Singles and Pairs, invited talk, Frontiers of Science Symposium, Wyboston, UK, April 2006.

*Komossa, S.*: The variable X-ray sky with eROSITA: the extremes of variability among galaxies, invited talk, The eROSITA Workshop, Garching, Germany, April 2006.

*Komossa, S.*: Tidal Disruption of Stars by Supermassive Black Holes, invited talk, Kavli Institute for Theoretical Physics, Santa Barbara, USA, June 2006.

*Komossa, S.*: Variability studies with the Hard X-ray Modulation Telescope HXMT: X-ray variability of AGN and inactive galaxies, invited talk, HXMT Workshop, Hainan, China, January 2006.

*Komossa, S.*: X-ray Flares from Galactic Centers, invited talk, The History of Nuclear Black Holes in Galaxies, Boston, USA, May 2006.

*Konopka, U.*: Complex Plasmas with strong magnetic fields, contributed talk, Complex plasma research at Yokohama National University and Max Planck Institute (Seminar), Yokohama, Japan, January 2006.

*Konopka, U.*: Influence of Magnetic Fields on Micro-Particle Structures and Their Dynamics in Plasmas, contributed talk, 11<sup>th</sup> Workshop on the Physics of Dusty Plasmas, Williamsburg, USA, June 2006.

*Konopka, U.*: Micro Particle Transport in Radio Frequency Magnetized Plasmas, contributed talk, 6th International Conference on Reactive Plasmas and 23rd Symposium on Plasma Processing, Matsushima, Japan, January 2006.

*Konopka, U.*: Self-organising plasmas - new fundamental physics and application, contributed talk, 3rd China-German Workshop on Microgravity Science, Berlin, Germany, October 2006.

*Kretschmer, K.*: Observing Nuclear Gamma-ray Lines from the Galaxy with SPI/INTEGRAL, contributed talk, 9th Conference on the Intersections of Particle and Nuclear Physics, Rio Grande, Puerto Rico, May 2006.

*Lemson, G.*: AstroGrid-D and (GA)VO, contributed talk, AstroGrid-D workshop, Garching, Germany, November 2006.

*Lemson, G.*: Databases at MPA, contributed talk, 2nd MAGPOP Annual network meeting, Toledo, Spain, February 2006.

*Lemson, G.*: Theory in the Virtual Observatory, invited talk, Microsoft E-Science Workshop at The Johns Hopkins University, Baltimore, USA, October 2006.

- Lemson, G.:* Theory in the VO and in the IVOA, invited talk, France-VO theory workshop, Paris, France, April 2006.
- Lichti, G.G.:* Status of the GLAST Burst Monitor, invited talk, Large-Area Telescope collaboration meeting, Stockholm, Sweden, August 29, 2006.
- Lutz, D.:* Cosmic Evolution of Gas and Dust Properties, contributed talk, 3rd FIRI meeting, Obergurgl, Austria, October 2006.
- Lutz, D.:* Extragalactic Surveys: Prospects from Herschel - PACS, invited talk, COSPAR Assembly Session E1.6: Advances in FIR and Submm Astrophysics, Beijing, China, July 2006.
- Lutz, D.:* IRS and mm constraints on high-z ULIRGs, contributed talk, Dust and Gas in ULIRGs: Tracing Star Formation and Black Hole Growth at the Centers of Ultraluminous Infrared Galaxies, Ithaca, USA, June 2006.
- Lutz, D.:* IRS view of distant infrared galaxies, contributed talk, Galaxy Evolution with Spitzer & Herschel, Agios Nikolaos, Greece, May 2006
- Lutz, D.:* Spitzer spectroscopy of AGN, invited talk, Active Galactic Nuclei: From Atoms to Black Holes, Tel Aviv, Israel, February 2006
- Marghitu, O.:* Concentrated generator regions observed by Cluster in the plasma sheet boundary layer, contributed talk, AEF/DPG Tagung, Heidelberg, Germany, March 2006.
- Marghitu, O.:* Local energy conversion in the plasma sheet and its relationship to aurora as observed by Cluster and FAST, contributed talk, 36<sup>th</sup> COSPAR General Assembly, Beijing, China, July 2006.
- Marghitu, O.:* Energy conversion regions in the plasma sheet as observed by Cluster, contributed talk, 12th Cluster Workshop, Saariselkä, Finland, September 2006.
- Marghitu, O.:* CCAT versus CL software: calibration issues, contributed talk, CIS Team Meeting, Paris, France, June 2006.
- Marghitu, O.:* Local energy conversion in the plasma sheet as observed by Cluster, contributed talk, CIS Team Meeting, Paris, June 2006.
- Martins, F.:* Massive stars in the central parsec of the Galaxy, contributed talk, IAU General Assembly, Joint discussion 5, Prag, Czech Republic, August 2006.
- Martins, F.:* Massive stars in the Galactic Center, contributed talk, Journee de la SF2A 2006, Paris, France, June 2006.
- Martins, F.:* Stellar and wind properties of massive stars in the central parsec of the Galaxy, contributed talk, Galactic Center workshop 2006, Bad Honnef, Germany, April 2006.
- McBreen, S.:* A tale of two "dark" gamma-ray bursts, colloquium, UCD School of Physics, December Astrophysics Colloquium, Dublin, Ireland, December 2006.
- McBreen, S.:* Observations of GRB 041219a with the spectrometer on INTEGRAL, contributed talk, The 6th INTEGRAL Workshop: The Obscured Universe, Moscow, Russia, July 2006.
- Meidinger, N.:* Calibration and performance verification of XFEL detectors, contributed talk, workshop for XFEL Detectors, Munich, Germany, August 2006.
- Meidinger, N.:* eROSITA and detectors, contributed talk, Japanese-German workshop, Wildbad Kreuth, Germany, February 2006.
- Meidinger, N.:* eROSITA pnCCD camera, contributed talk, eROSITA Consortium Meeting, Garching, Germany, July 2006.
- Meidinger, N.:* Systematic testing and results of X-ray CCDs developed for eROSITA and other applications, contributed talk, SPIE conference, Orlando, USA, May 2006.
- Monetti, R.:* Using Dynamic Cluster Topology Adaptation for Segmenting Medical Images, invited talk, Magnetic Resonance Science Center, UC-San Francisco, USA, February 2006.
- Morfill, G.E.:* Self-organising plasmas – new fundamental physics and applications, colloquium, Rutherford Appleton Lecture, Imperial College, London, UK, March 2006.
- Morfill, G.E.:* Complex Plasmas – the Role of "Gamma", invited talk, IOP, Plasma Meeting, Crieff, UK, April 2006.
- Morfill, G.E.:* Strongly Coupled Plasmas – Experience from Experiments on the ISS, invited talk, Workshop on Fundamental Physics, RAL Didcot, UK, May 2006.
- Morfill, G.E.:* Komplexe Plasmen – Grundlagenforschung und industrielle Wertschöpfung, invited talk, Binnenbruck Kolloquium, DLR, Bonn, Germany May 2006.
- Morfill, G.E.:* Complex Plasmas and Studying Critical Point Phenomena at the Kinetic Level, contributed talk, Critical point meeting, Orleans, France, May 2006
- Morfill, G.E.:* Strongly Coupled Plasmas, invited talk, 13<sup>th</sup> Int. Congress on Plasma Physics, Kiev, Ukraine, May 2006.
- Morfill, G.E.:* *Liquid and Crystalline Plasmas*, invited talk, EPS meeting, Rome, Italy, June 2006.
- Morfill, G.E.:* Complex Plasmas - fundamental physics and applications, invited talk, Trieste, Italy, August 2006.
- Morfill, G.E.:* Liquid complex plasmas - investigations of fluids at the kinetic level, invited talk, ESF Obergurgl, Complex fluid interfaces, Obergurgl, Austria, September 2006.
- Morfill, G.E.:* Fluids and complex plasmas, invited talk, Critical Point Symposium, Amsterdam, The Netherlands, October 2006.
- Morfill, G.E.:* Wie Deutschland der größte wissenschaftliche Nutzer der ISS wurde, invited talk, DGLR Jahrestagung, Braunschweig, Germany, November 2006.
- Morfill, G.E.:* Warum unseren Hinterhof erkunden, wenn wir die Geheimnisse des ganzen Universums erforschen können?, invited talk, DLR-Exploration des Sonnensystems, Konferenz, Dresden, Germany, November 2006.
- Müller, A.:* Das Leben der Sterne, public talk, Wilhelm-

- Foerster-Sternwarte mit Planetarium am Insulaner, Berlin, Germany, May 2006.
- Müller, A.: Detecting Supermassive Black Holes, contributed talk, "Physics and Astrophysics of Supermassive Black Holes", LANL, Santa Fe, USA, July 2006.
- Müller, A.: Experimental Evidence of Black Holes, invited talk, School on Particle Physics, Gravity and Cosmology, Dubrovnik, Croatia, September 2006.
- Müller, A.: Magnetic Launching of AGN-Jets, colloquium, MPIfR, Bonn, Germany, December 2006.
- Müller, A.: Massive Schwarze Löcher: Gibt es sie und was ist ihre Rolle im Universum?, public talk, MPE, Tag der offenen Tür, Munich, Germany, October 2006.
- Müller, A.: On the Onset of Relativistic Emission Lines: Signatures of Gravitational Redshift, invited talk, Landessternwarte Heidelberg, Germany, June 2006.
- Müller, A.: Schwarze Löcher, public talk, „No biology day“ des MPIs für molekulare Physiologie, Ringberg, Germany, November 2006.
- Müller, A.: Schwarze Löcher, public talk, Wissenschaftssommer 2006 in München, Munich, Germany, July 2006.
- Müller, A.: The Onset of General Relativity: Gravitationally Redshifted Emission Lines, contributed talk, ESAC/XMM-Newton Workshop "Variable and Broad Iron Lines around Black Holes", Madrid, Spain, June 2006.
- Müller, T.G.: Observations of asteroids and other small SSOs with Herschel, invited talk, ASTROCAM Workshop on Herschel, ESAC Villafranca, Spain, December 2006.
- Müller, T.G.: Thermophysical Characterisation of Space Mission Target Asteroids: Lutetia, Steins and Itokawa, contributed talk, European Geosciences Union (EGU), Planetary and Solar System Sciences: Comets, Asteroids, Dust, and Dynamics, Vienna, Austria, April 2006.
- Noll, S.: The Evolution of Galaxy Dust Properties for  $1 < z < 2.5$ , contributed talk, At the Edge of the Universe, Sintra, Portugal, October 2006.
- Ott, T.: Properties of the central cluster from SINFONI observations, contributed talk, Galactic Center Workshop 2006, Bad Honnef, Germany, April 2006.
- Paschmann, G.: Magnetospheric convection from Cluster-EDI measurements, colloquium, Space Science Laboratory, UC Berkeley, USA, October 2006.
- Pietsch, W.: The X-ray source populations in M31 and M33, colloquium, Thüringer Landessternwarte Tautenburg, Germany, October 2006.
- Poglitsch, A.: The Herschel Far-Infrared and Submillimetre Space Observatory, invited talk, COSPAR 2006, Beijing, China, July 2006.
- Poglitsch, A.: Direct FIR/submm Detector Developments for Herschel and beyond, invited talk, COSPAR 2006, Beijing, China, July 2006.
- Poglitsch, A.: FIR Direct Detectors for Space Missions - Needs and Challenges, invited talk, 3rd Workshop of the Far-InfraRed Community in Europe, Obergurgl, Austria, October 2006.
- Poglitsch, A.: The Herschel Photodetector Array Camera and Spectrometer, contributed talk, SPIE Astronomical Telescopes and Instruments, Orlando, USA, May 2006.
- Poglitsch, A.: The Herschel Photodetector Array Camera and Spectrometer, invited talk, Studying Galaxy Evolution with Spitzer and Herschel, Aghios Nikolaos, Greece, May 2006.
- Poglitsch, A.: The Herschel Photodetector Array Camera and Spectrometer, invited talk, 270<sup>th</sup> Meeting of the American Astronomical Society, Washington, DC, USA, January 2006.
- Pompl, R.: Efficiency and Medical Compatibility of low-temperature Plasma Sterilisation, contributed talk, 6th International Conference on Reactive Plasmas and 23rd Symposium on Plasma Processing, Matsushima, Japan, January 2006.
- Pompl, R.: Low-temperature plasma device for sterilisation of wounds, contributed talk, Complex plasma research at Yokohama National University and Max Planck Institute (Seminar), Yokohama, Japan, January 2006.
- Pratt, G.W.: Properties of cooling core clusters in an unbiased sample, contributed talk, Heating vs Cooling in Galaxies and Clusters of Galaxies, Garching, Germany, August 2006.
- Pratt, G.W.: Scaling Laws in Local Galaxy Clusters, invited talk, XXVI<sup>th</sup> Moriond Astrophysics Meeting: From Dark Halos to Light, La Thuile, Italy, March 2006.
- Predehl, P.: Das Dunkle Universum, public talk, Internationale Astronomiewoche, Arosa, Switzerland, July 2006.
- Predehl, P.: Das Dunkle Universum, public talk, Physik Modern, LMU, Munich, Germany, Juni 2006.
- Predehl, P.: Das Dunkle Universum, public talk, VHS, Ingolstadt, Germany, January 2006.
- Predehl, P.: Diffuse X-ray Emission in the Galactic Center, contributed talk, Japan-Germany Colloquium on the Relativistic Universe, Wildbad Kreuth, Germany, February 2006.
- Predehl, P.: Dunkle Energie, public talk, LMU-Reihe „physik modern“, Munich, Germany, July 2006.
- Predehl, P.: eROSITA - Science Goal and Mission Concept, colloquium, Universitätssternwarte, Hamburg, Germany, November 2006.
- Predehl, P.: Neues vom Schwarzen Loch, public talk, Internationale Astronomiewoche, Arosa, Switzerland, July 2006.
- Predehl, P.: Raum und Zeit, public talk, VHS, Ingolstadt, Germany, January 2006.
- Räth, C.: Analysis techniques for extracting 'hidden' information from data sets, colloquium, Critical Point Symposium, Orleans, France, May 2006.
- Räth, C.: Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin, public talk, Schulvortrag im Rahmen der MPG-Jahreshauptversammlung, Gymnasium Nidda, Germany, July 2006.
- Räth, C.: Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin,

public talk, Schulvortrag im Rahmen der MPG-Jahreshauptversammlung, Gymnasium Offenbach, Germany, July 2006.

*Räth, C.:* Chaos, Kosmos, Knochen: Charakterisierung komplexer Strukturen in Physik und Medizin, public talk, Schulvortrag im Rahmen der MPG-Jahreshauptversammlung, Heinrich von Gagern Gymnasium, Frankfurt, Germany, July 2006.

*Räth, C.:* Optimizing Texture Measures Quantifying Bone Structures as well as MR-Sequences at 3 Tesla: an Integrative Statistical Approach, contributed talk, SPIE Medical Imaging, San Diego, USA, February 2006.

*Räth, C.:* Optimizing Texture Measures Quantifying Bone Structures as well as MR-Sequences at 3 Tesla: an Integrative Statistical Approach, invited talk, Magnetic Resonance Science Center, UCSF, San Francisco, USA, February 2006.

*Räth, C.:* Probing Isotropy and Gaussianity with WMAP Data, invited talk, MPE Dark Energy Workshop, Ringberg, Germany, February 2006.

*Räth, C.:* Quantifying Changes in the Bone Micro-architecture using Minkowski-Functionals and Scaling Vectors: a Comparative Study, contributed talk, SPIE Medical Imaging, San Diego, USA, February 2006.

*Räth, C.:* Quantifying Changes in the Bone Micro-architecture using Minkowski-Functionals and Scaling Vectors: a Comparative Study, invited talk, Magnetic Resonance Science Center, UCSF, San Francisco, USA, February 2006.

*Räth, C.:* Use of scaling index analysis for characterising complex plasmas at the kinetic level, colloquium, Critical Point Symposium, Noordwijk, The Netherlands, October 2006.

*Saglia, R.P.:* Galaxy evolution from the ESO distant cluster survey (EDISCS), invited talk, Fine-Tuning stellar population models, Leiden, The Netherlands, June 2006.

*Saglia, R.P.:* The dark matter halos of Coma Cluster early-type galaxies, colloquium, Astrophysics Department of the University of New South Wales, Sydney, Australia, December 2006.

*Saglia, R.P.:* The dark matter halos of Coma Cluster early-type galaxies, contributed talk, The XXIII Texas Symposium on Relativistic Astrophysics, Melbourne, Australia, December 2006.

*Saglia, R.P.:* The large-scale optical-near infrared photometric surveys of the near future: KIDSS, VIKING and P&S, colloquium, Anglo-Australian Observatory, Epping, Australia, December 2006.

*Sala, G.:* XMM-Newton shows the highly ionized disk wind of the microquasar GRO J1655-40, contributed talk, VII Scientific Meeting of the Spanish Astronomical Society, Barcelona, Spain, September 2006.

*Sala, G.:* X-ray Spectroscopy of GRO J1655-40, contributed talk, VI Microquasar Workshop: Microquasars and Beyond, Como, Italy, September 2006.

*Savaglio, S.:* Host Galaxies Environment and Circumburst Medium of Gamma-Ray Afterglow, invited talk, Black

Holes: Power Behind the Scene, Kathmandu, Nepal, October 2006.

*Schwabe, M.:* Filamentation of low-pressure plasmas in high magnetic fields and consequential formation of "2d dust voids", contributed talk, Diagnostics and Simulation of Dusty Plasmas, Kiel, Germany, September 2006.

*Schwabe, M.:* Microparticles as Probes in a Filamented Magnetized Plasma, contributed talk, 11th Workshop on the Physics of Dusty Plasmas, Williamsburg, VA, USA, June 2006.

*Shimizu, T.:* Characteristics of microwave plasma torch for bacterial sterilization, contributed talk, Complex plasma research at Yokohama National University and Max-Planck-Institute (Seminar), Yokohama, Japan, January 2006.

*Slowikowska, A.:* Comparison of Giant Radio Pulses in Young Pulsars and Millisecond Pulsars, contributed talk, 363rd Heraeus Seminar: Neutron stars and Pulsars, Bad Honnef, Germany, May 2006.

*Strong, A.:* GALPROP, a cosmic-ray propagation and gamma-ray code, invited talk, Tools for SUSY and the new physics, LAPTH-LAPP, Annecy-le-Vieux, France, June 2006.

*Strong, A.:* Gamma-ray emission from the inner Galaxy, colloquium, Gemeinsames Teilchen- und Astroteilchen-physikalisches Seminar der Universitäten Karlsruhe, Heidelberg und Tübingen sowie des Forschungszentrums Karlsruhe, Germany, May 2006.

*Strong, A.:* Source population synthesis and the Galactic diffuse gamma-ray emission, contributed talk, The multi-messenger approach to high-energy gamma-ray sources, Barcelona, Spain, July 2006.

*Strüder, L.:* Active pixel sensors with scalable pixel size from  $10^3 \mu\text{m}^2$  to  $108 \mu\text{m}^2$ , contributed talk, SPIE conference, Orlando, USA, May 2006.

*Strüder, L.:* Advanced study group Heidelberg, invited talk, workshop der ASG der MPG, Heidelberg, Germany, September 2006.

*Strüder, L.:* All you can eat - The Area Detector II, contributed talk, HASYLAB, Workshop: XFEL, Hamburg, Germany, February 2006.

*Strüder, L.:* BepiColombo - The MIXS Experiment, contributed talk, University of Leicester, UK, 2006.

*Strüder, L.:* Bread and butter - The Area Detector I, contributed talk, DESY, Hamburg, Germany, February 2006.

*Strüder, L.:* Detectors for X-ray science at X-ray Free Electron Lasers, contributed talk, XFEL workshop am RAL, Appleton, UK, March 2006.

*Strüder, L.:* High Speed Semiconductor Detectors for X-ray Imaging and Spectroscopy, invited talk, XI Symposium of Radiation Measurements and Applications, Ann Arbor, USA, May 2006.

*Strüder, L.:* High speed single photon imaging with Avalanche amplifying pnCCDs, invited talk, Opticon workshop: HTRA, Galway, Ireland, June 2006.

*Strüder, L.:* High speed synchrotron radiation detectors for LCLS and XFEL, invited talk, IEEE Nuclear Science

Symposium, San Diego, USA, October 2006.

*Strüder, L.:* Imaging of X-rays and electrons, contributed talk, EXRF, Cité Universitaire, Paris, France, June 2006.

*Strüder, L.:* Imaging X-ray spectroscopy, contributed talk, IMC16, Sapporo, Japan, September 2006.

*Strüder, L.:* Les beaux arts des images spectroscopiques des rayons d'X, invited talk, CEA, Saclay, France, June 2006.

*Strüder, L.:* New Directions in X-ray Imaging Spectroscopy, invited talk, ISAS/JAXA, Tokyo, Japan, August 2006.

*Strüder, L.:* Semiconductor Detectors and Applications, invited talk, University of Osaka, Japan, August 2006.

*Strüder, L.:* Semiconductor Devices, invited talk, University of Osaka, Japan, August 2006.

*Strüder, L.:* Silicon but Silicon, invited talk, Politecnico di Milan, Italy, January 2006.

*Strüder, L.:* Silicon but Silicon, invited talk, SSRL am SLAC, Menlo Park, USA, February 2006.

*Strüder, L.:* Synchrotron radiation detectors for LCLS and XFEL, invited talk, SNI2006, Hamburg, Germany, October 2006.

*Strüder, L.:* The BepiColombo MIXS X-ray detector, contributed talk, Leicester University, UK, July 2006.

*Strüder, L.:* The CFEL projects of the MPI-HLL, contributed talk, MPI für Eisenforschung, Düsseldorf, Germany, July 2006.

*Strüder, L.:* The European Consortium for high speed Imaging (ECI), invited talk, FHI für mikroelektronische Schaltungen und Systeme, Duisburg, Germany, March 2006.

*Strüder, L.:* The fine art of X-ray imaging spectroscopy, invited talk, ISAS-JAXA workshop, Tokio, Japan, June 2006.

*Strüder, L.:* The MPI-HLL LCLS detector, invited talk, SLAC, San Francisco, USA, July 2006.

*Strüder, L.:* Vom Mikrokosmos zum Makrokosmos - Moderne Halbleiterbauelemente in der Forschung und Entwicklung, public talk, Schulvortrag Rudolf-Steiner-Schule, Munich, Germany, July 2006.

*Strüder, L.:* XMM - Newton und Chandra: Zwei Röntgenmissionen im Vergleich, colloquium, Uni Siegen, Siegen, Germany, February 2006.

*Strüder, L.:* X-ray detectors for the future synchrotron light sources LCLS and XFEL, invited talk, NSLS am BNL, Upton, USA, March 2006.

*Strüder, L.:* X-ray detectors for the future synchrotron light sources LCLS and XFEL, invited talk, CHESS, Cornell University, Ithaca, USA, March 2006.

*Sturm, E.:* Infrared dust properties - a prime tool for AGN diagnostics, invited talk, The Central engine of Active Galactic Nuclei, Xi'an, China, October 2006.

*Sturm, E.:* Mid-Infrared Diagnostics of AGNs, invited talk, Dust and gas in ULIRGs: Tracing Star Formation and Black Hole Growth at the Centers of Ultraluminous Infrared Galaxies, Cornell University, Ithaca, USA, June 2006.

*Sturm, E.:* New Results on ULIRGs and AGN in the

Local Universe, invited talk, IAU 26<sup>th</sup> General Assembly - JD15 - New Cosmology Results from the Spitzer Space Telescope, Prague, Czech Republic, August 2006.

*Sturm, E.:* Observing opportunities with PACS: an overview of the instrument and of the PACS GT programme, invited talk, ASTROCAM Workshop on Herschel, ESAC, Villafranca, Spain, December 2006.

*Tacconi, L.J.:* (Sub)Arcsecond Millimeter Imaging of Submillimeter Galaxies, invited talk, NRAO Workshop: From Z-machines to ALMA, Charlottesville, USA, January 2006.

*Tacconi, L.J.:* An Overview of Galaxy Formation with ALMA, invited talk, Science with ALMA: A New Era for Astrophysics, Madrid, Spain, November 2006.

*Tacconi, L.J.:* Dynamical Evolution of Ultraluminous Galaxies at Low and High Redshift, invited talk, The Fate of Gas in Galaxies, Dwingeloo, The Netherlands, July 2006.

*Tacconi, L.J.:* Dynamics and Distribution of Molecular Gas in Active Galaxies: Inward Bound from kpc to pc Scales, invited talk, Galactic Center Workshop, Bad Honnef, Germany, April 2006.

*Tacconi, L.J.:* Spatially Resolved Dynamics at  $z \sim 2-3$ : New Insights into Galaxy Evolution, invited talk, IAU Symposium 235: Galaxy Evolution Across the Hubble Time, Prague, Czech Republic, August 2006.

*Tacconi, L.J.:* The Dynamical Evolution of (Ultra)luminous Galaxies at Low and High Redshift, invited talk, Mapping the Galaxy and Nearby Galaxies, Ishigaki, Japan, June 2006.

*Tacconi, L.J.:* The Dynamical Evolution of Ultraluminous Galaxies at Low and High Redshift, colloquium, Astronomy Department, Ohio State University, Columbus, USA, January 2006.

*Tacconi, L.J.:* The Dynamical Evolution of Ultraluminous Galaxies at Low and High Redshift, colloquium, Max-Planck-Institut für Radioastronomie, Bonn, Germany, November 2006.

*Thoma, M.H.:* Dusty plasmas, contributed talk, 12<sup>th</sup> International Workshop on the Physics of Non-Ideal Plasmas, Darmstadt, Germany, September 2006.

*Thoma, M.H.:* PK-4: complex plasmas in space - the next generation, contributed talk, 11<sup>th</sup> Workshop on the Physics of Dusty Plasmas, Williamsburg, USA, June 2006.

*Thoma, M.H.:* Stark gekoppelte Plasmen und Plasmakristall (Plasmaphysik unter Schwerelosigkeit), colloquium, Universität Gießen, Germany, January 2006.

*Thoma, M.H.:* Stark gekoppelte Plasmen und Plasmakristall (Plasmaphysik unter Schwerelosigkeit), colloquium, Universität Frankfurt, Germany, May 2006.

*Thoma, M.H.:* The plasma crystal experiment PK-4, contributed talk, DPG Frühjahrstagung, Augsburg, Germany, March 2006.

*Thomas, H.M.:* Experimente mit Plasmakristallen, public talk, Faszination Weltraum, Universität Stuttgart, Germany, December 2006.

*Thomas, H.M.:* Experiments under Microgravity Conditions

- New Directions, contributed talk, ESA Symposium - Science on European Soyuz Missions to the ISS, Toledo, Spain, June 2006.
- Thomas, H.M.:* Latest Results from PK-3 Plus, contributed talk, ESA Critical Point Symposium, Noordwijk, The Netherlands, October 2006.
- Thomas, H.M.:* Past, Present and Future in PK-3-Research on the ISS, contributed talk, Critical Point Symposium, Orleans, France, May 2006.
- Thomas, H.M.:* Plasma Crystal Research on the International Space Station: PK-3 Plus, invited talk, ESA AOB Meeting, Noordwijk, The Netherlands, September 2006.
- Thomas, H.M.:* Plasma Crystal Research on the International Space Station: PK-3 Plus, contributed talk, ESA ISS Increment 13 Science Symposium, Noordwijk, The Netherlands, March 2006.
- Thomas, H.M.:* Plasma Crystal Research on the International Space Station: PK-3 Plus, contributed talk, ESA ISS Increment 14 Science Symposium, Noordwijk, The Netherlands, June 2006.
- Thomas, H.M.:* Plasmakristalle - Phasenübergänge, Instabilitäten und Dynamik, invited talk, Emeritierungsfeier von Prof. Feuerbacher, DLR-Institute for Space Simulation, Köln, Germany, June 2006.
- Thomas, H.M.:* Transport Phenomena in Complex Plasmas, invited talk, DSDP Workshop, Universität Kiel, Germany, September 2006.
- Thomas, J.:* Distribution of dark matter and stellar orbits in Coma ellipticals, contributed talk, Galactic Nuclei, Leiden, The Netherlands, July 2006.
- Tripe, S.:* NIR observations of Sagittarius A\*, contributed talk, 11th Marcel Grossmann Meeting, Berlin, Germany, July 2006.
- Trümper, J.:* Concluding Remarks, Isolated Neutron Stars: from the Interior to the Surface, invited talk, London, UK, April 2006.
- Trümper, J.:* Das Rätsel der Dunklen Energie, invited talk, Mittwochskreis im Internationalen Begegnungszentrum München, Germany, October 2006.
- Trümper, J.:* Das Rätsel der Dunklen Materie, invited talk, Akademie für Lehrerfortbildung, Dillingen, Germany, March 2006.
- Trümper, J.:* Das Rätsel der Dunklen Materie, invited talk, Förderkreis Planetarium Göttingen, Germany, January 2006.
- Trümper, J.:* Die Zustandsgleichung von Kernmaterie bei hohen Dichten und die Größe von Neutronensternen, invited talk, Maier-Leibnitz-Kolloquium, München, Germany, February 2006.
- Trümper, J.:* Dunkle Materie – unsichtbare Kräfte im All, invited talk, Fachhochschule Kempten, Germany, February 2006.
- Trümper, J.:* Exploring the X-Ray Sky, invited talk, Marcel Grossmann Meeting, Berlin, Germany, July 2006.
- Trümper, J.:* Isolated Neutron Stars, invited talk, Neutron Stars and Pulsars – About 40 years after the discovery, 363th Heraeus-Seminar, Bad Honnef, Germany, May 2006.
- Trümper, J.:* Reiner Klett and the Development of X-Ray Astronomy in Germany, invited talk, Symposium Reiner Klett – Pioneer for Science in Space, MPE, Garching, Germany, May 2006.
- Trümper, J.:* Röntgenstrahlung von Neutronensternen, colloquium, Universität Ulm, Germany, October 2006.
- Trümper, J.:* Röntgenteleskope in der Erdumlaufbahn, invited talk, Nordenham, Germany, July 2006.
- Trümper, J.:* ROSAT und die unheimlichen Sterne, colloquium, Universität Jena, Germany, May 2006.
- Trümper, J.:* Searching for Thermally Emitting Neutron Stars with eROSITA, invited talk, eROSITA Workshop, MPE, Garching, Germany, April 2006.
- Trümper, J.:* The Equation of State at Supranuclear Densities and the Size of Neutron Stars, colloquium, Universität Göttingen, Germany, January 2006.
- Trümper, J.:* X-Ray Observations of Neutron Stars and the Properties of Matter at very High Densities, invited talk, Marcel Grossmann Meeting, Berlin, Germany, July 2006.
- Voges, W. (together with J. Renn):* eSciDoc in der wissenschaftlichen Praxis, invited talk, eSciDoc BMBF meeting, Bonn, Germany, November 2006.
- Voges, W.:* Data behind a Publication - An Astronomer's View, invited talk, Berlin4 Open Access Conference, Potsdam, Germany, March 2006.
- Voges, W.:* Expectations of Scientists concerning Publication Management: Astrophysics Scenarios including Virtual Observatory and GRID Activities, invited talk, eSciDoc BMBF Beiratsitzung, Bonn, Germany, January 2006.
- Voges, W.:* The (German) VO and the HTN, invited talk, 2nd Heterogeneous Telescope Network Workshop, Göttingen, Germany, July 2006.
- Volwerk, M.:* Kelvin-Helmholtz waves in the Earth's magnetotail, contributed talk, AGU Fall Meeting, San Francisco, USA, December 2006.
- Vongehr, M.:* Development of a metrology to characterize EUV optics at 13.5nm, contributed talk, SPIE Photonics Europe, Strasbourg, France, April 2006.
- Yaroshenko, V.:* Perturbations Induced in Complex Plasmas by the Low-Frequency Voltage (Microgravity Conditions), invited talk, PK-3-Plus Symposium, Garching, Germany, October 2006.
- Yaroshenko, V.:* Role of the ion drag force in stability of dust wave modes in planetary rings, invited talk, 3 FSA Workshop on Space Plasma Physics, Ghent, Belgium, September 2006.
- Yaroshenko, V.:* Role of the ion wake effect on stability of plasma crystals, contributed talk, 13<sup>th</sup> International Congress of Plasma Physics, Kiev, Ukraine, May 2006.
- Zhang, Y.-Y.:* AGNs in Clusters of Galaxies: XMM observations of a flux-limited cluster sample at  $z \sim 0.2$ , contributed talk, Black Holes: Power behind the Scene, Kathmandu, Nepal, October 2006.
- Zhang, Y.-Y.:* Exploring the Scaling Relations of the



REFLEX-DXL Galaxy Clusters at  $z \sim 0.3$ , contributed talk, Japan-Germany Colloquium on "Relativistic Universe", Wildbad Kreuth, Germany, March 2006.

Zhang, Y.-Y.: Scaling Relations and Mass Calibration - XMM observations of the Pilot Study Sample, contributed talk, LoCuSS: Data and Team Meeting, Birmingham, UK, September 2006.

Zhdanov, S.: Crazy particles - not useless at all, contributed talk, PKE-3-Plus Symposium, Garching, Germany, October 2006.

Zhdanov, S.: Focusons in complex plasmas, contributed talk, MPE - Liverpool-IC meeting, Garching, Germany,

September 2006.

Zhdanov, S.: Waves in a 2D inhomogeneous complex plasma, contributed talk, Workshop "Diagnostics and Simulation of Dusty Plasma", Kiel, Germany, September 2006.

Zibetti, S.: Diffuse stellar components in galaxies and galaxy clusters: fossil records of a violent history, colloquium, Observatoire de Meudon, Paris, France, May 2006.

Zibetti, S.: Dwarf elliptical galaxies in clusters: Near InfraRed perspectives, colloquium, Instituto de Astrofísica de Canarias, La Palma, Spain, March 2006.

## Dissertationen / PhD Theses

Andritschke, R. A.: Calibration of the MEGA Prototype Hardware and Performance of a Combined Tracking Compton and Low-Energy Pair Creation Telescope. Technische Universität München 2006.

Dasyra, K.M.: Dynamical Evolution of Local Gas-Rich Galaxy Mergers from Near Infrared Spectroscopy. LMU/IM-PRS 2006.

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Keil, R.: X-ray studies of ultraluminous infrared galaxies observed with XMM-Newton. Universitätssternwarte Hamburg 2006.

Nesvadba, N.: Integral-Field Spectroscopy of High-Redshift Galaxies: Implications of Early Galaxy Evolution. LMU Munich 2006.

## Diplomarbeiten / Diploma Theses

Ilie, D.: Dynamics and structure of the Earth's magnetopause: Analysis of Cluster Data. LMU München, May 2006.

Ihle, S.: Implementation of a fiber-coupler for astronomical interferometry and its thermal analysis. TU München 2006.

Schächner, G.: Messungen zur Zeitauflösung von Siliziumdriftdetektoren. TU München 2006.

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Trill, M.: Hochaufgelöste Röntgenspektroskopie des magnetischen kataklysmischen veränderlichen AM Herculis mit dem Chandra LETGS. TU München 2006.

## Seminare und Workshops / Seminars and Workshops

**Heating vs Cooling in Galaxies and Clusters of Galaxies**, MPA/ESO/MPE/USM Joint Astronomy Conference, Garching, 6.-11.8.2006, Organisation: M. Arnaud, M. Begelman, H. Böhringer (chair), M. Donahue, A. Fabian, G. Hasinger, T. Heckman, C. Jones, B. McNamara, T. Ohashi, F. Owen, M. Pettini, T. Reiprich, A. Renzini, P. Rosati, C. Sarazin, N. Soker, R. Sunyeav, S. White.

**The Relativistic Universe**, Wildbad Kreuth, Germany, 27.2.-2.3.2006, Organisation: Y. Tanaka, G. Hasinger, S. Komossa, Y. Ueda.

**Physics and Astrophysics of Supermassive Black Holes**, Santa Fe, USA, 10.7.-14.7.2006, Organisation: F. Melia, R. Blandford, A. Fabian, X. Fan, C. Fryer, R. Genzel, A. Goldwurm, S. Komossa, D. Merritt, M. Rees, S. Shapiro, R. Sunyaev.

**New Results on the Galactic Centre** Division VII Science Session of the International Astronomical Union, Prag, 21.8.2006, Organisation: R. Genzel, O. Gerhard, C. Lang, J. Lazio, P. Whitelock.

**Planetary and Solar System Sciences: Comets, As-**

**teroids, Dust, and Dynamics** (European Geosciences Union, General Assembly), Vienna, Austria, 2.4.-7.4.2006, Organisation: H. Krüger, G. Schwehm, T.G. Müller.

**Gamma-Ray Burst Talk Series**, MPE, Garching, 13.6.-15.11.2006, Organisation: S. Savaglio, J. Greiner, N. Prymak.

**COSMOS Ringberg Meeting**, Ringberg Castle, 24.9.-29.9.2006, Organisation: M. Brusa, G. Hasinger, V. Mainieri, J. Silverman.

**Munich Joint Astronomy Colloquium**, Garching, all 2006, Organisation: G. Kauffmann, L.J. Tacconi, S. Komossa, A. Burkert, W. Freudling, L. Pasquini, M. Gilfanov.

**IAU General Assembly, Joined Discussion on „The Present and Future of Pulsar Astronomy“**, Prague, 16.08-17.08.2006, Organisation: W. Becker, J. Gil, B. Rudack.

**363rd WE-Heraeus Seminar Neutron Stars and Pulsars: About 40 Years after the Discovery**, Bad Honnef, 14.05.-19.05.2006, Organisation: W. Becker, H. Lesch, J. Trümper.