

**List of Posters**

**Relativistic Astrophysics and Cosmology**

– Einstein’s Legacy –

**International Astrophysics Conference**

**November 7 - 11, 2005 , Munich, Germany**

**Status: November 3, 2005 (VB)**

---

**Constraining the variability of dark energy with structure formation**

Arbabi Bidgoli S. A., Sadegh Movahed M., and Rahvar S.

---

**Investigating a Fluctuating-accretion Models for the Spectral-Timing Properties of Accreting Black Hole Systems**

Arévalo P. and Uttley P.

---

**Observational evidence for the link between variations of the optical continuum and radio emission from the base of the jet in the active galaxy 3C390.3**

Arshakian T. G, Lobanov A. P., Chavushyan V. H., Shapovalova A. I., and Zensus J. A.

---

**On the luminosity in fixed energy bands and spectral characteristic of GRB031203**

Bernardini M. G., Bianco C. L., Chardonnet P., Fraschetti F., Ruffini R., and Xue S.-S.

---

**The supermassive-black hole mass estimation in the Sy1.9 galaxy SBS 0748+499**

Benitez E., Franco-Balderas A., Chavushyan V. H., and Torrealba J.

---

**XMM-Newton RGS spectra in Type 2 Seyfert galaxies**

Bianchi S. and Guainazzi M.

---

**35 years of NLS1 research: from overlooked objects to the key stone for understanding the Seyfert phenomenon more generally**

Boller Th.

---

**Spectral and variability properties of LS 5039 from radio to very high-energy gamma-rays**

Bosch-Ramon V., Paredes J. M., and Romero G. E.

---

**Gravitational waves from Dark Matter Halos**

Carbone C., Baccigalupi C., and Matarrese S.

---

**Black hole self-regulation in a quiescent disc galaxy**

Cattaneo A.

---

**Is AGN feedback needed to explain galaxy properties?**

Cattaneo A.

---

**Radiative acceleration and collimation of jets from TCAF disc**

Chattopadhyay I.

---

**Effect of the rotation of the universe on the energy levels of Hydrogen atom**

Cortés R. and Tejeiro J. M.

---

**Modified Chaplygin gas and Accelerated Universe**

Debnath U.

---

---

**Particle Acceleration and Radiative Losses at Relativistic Shocks**

Dempsey P. and Duffy P.

---

**Metal Enrichment of the Intra-Cluster Medium: Ram-Pressure Stripping of Cluster Galaxies and the Feedback of Intra-Cluster Supernovae**

Domainko W., Kapferer W., Mair M., Schindler S., van Kampen E., Kronberger T., Kimeswenger S., Ruffert M., and Mangete O. E.

---

**Dynamics of binary black holes in circumnuclear disks**

Dotti M., Colpi M., and Haardt F.

---

**Radio Bubbles in Clusters: Relativistic Particle Content**

Dunn R. J. H., Fabian A. C., and Taylor G. B.

---

**Relativistic jets in Active Galactic Nuclei: importance of magnetic fields**

Duđan I. and Biermann P. L.

---

**String mechanism for relativistic jet formation**

Dyadechkin S. A., Semenov V. S., and Punsly B.

---

**Der relativistische Kosmos — was Astrophysiker aus Einsteins Ideen gemacht haben.**

Ehlers J.

---

**Extended Inverse Compton Emission From Distant Powerful Radio Galaxies**

Erlund M. C., Fabian A. C., Blundell K. M., Celotti A., and Crawford C. S.

---

**Ultra-High-Energy Cosmic Rays from a Magnetized Strange Star Central Engine for Gamma-Ray Bursts**

Esquivel O.

---

**The XMM-Newton Distant Cluster Project**

Fassbender R., Böhringer H., Mullis C. R., Rosati P., Lamer G., Schwope A. D., and Schuecker P.

---

**Tracing the Mass Assembly of Galaxies with Deep Surveys**

Feulner G., Bender R., Drory N., Gabasch A., Hopp U., and Salvato M.

---

**The most distant radio quasar as seen with the highest resolution**

Frey S., Paragi Z., Mosoni L., and Gurvits L. I.

---

**Investigating the nature of narrow-line Seyfert 1 galaxies with high-energy spectral complexity**

Gallo L. C. and Balestra I.

---

**Mass Function of Remnant Black Holes in Nearby Galaxies**

Gáspár M. E., Haiman Z., and Frei Z.

---

**Obscured Black Holes and the (late) formation of the X-ray background**

Gilli R., Comastri A., and Hasinger G.

---

**Tidal Capture by a Black Hole and Flares in Galactic Centers**

Gomboc A., Čadež A., Calvani M., and Kostić U.

---

**The Sun-AGN connection**

Guainazzi M., Favata F., and Rodriguez-Pascual P.

---

---

**The Afterglow of the Gamma-Ray Burst 050502a:  
First Case of an Early (<1 hr) Multi–Colour Detection**

Guidorzi C., Monfardini A., Gomboc A., Mundell C. G., Steele I. A., Carter D., Bode M. F., Smith R. J., Mottram C. J., Burgdorf M. J., Tanvir N. R., Masetti N., and Pian E.

---

**Re-evaluating the MIR - hard X-ray correlation in AGN**

Horst H., Smette A., and Duschl W. J.

---

**Deriving the quasar density evolution from a simple but efficient model**

Horst H. and Duschl W. J.

---

**Gamma-ray probe of the QSO's obscured evolution**

Iyudin A. F., Greiner J., Di Cocco G., and Larsson S.

---

**Synchrotron Polarization and Spectral Indices from Self-Consistent Plasma Simulations of GRB Fireball Collisions**

Jaroschek C. H., Lesch H., and Treumann R. A.

---

**Path and Path Deviation Equations in Kaluza-Klein Type Theories**

Kahil M. E.

---

**Metal Enrichment and Energetics of Galactic Winds and galaxy interactions in Galaxy Clusters**

Kapferer W., Domainko W., Schindler S., van Kampen E., Kimeswenger S., Mair M., Kronberger T., and Breitschwerdt D.

---

**Shock location in funnel flows onto magnetized neutron stars**

Karino S., Kino M., and Miller J. C.

---

**Results of optical observations of gravitationaly lensed quasar SBS1520+530 at TUG during 2001-2004.**

Khamitov I., Bikmaev I., Aslan Z., Sakhibullin N., Vlasyuk V., and Zheleznyak A.

---

**Gravitational wave from slightly nonspherical stellar collapse including neutrino effect: Odd-parity perturbation**

Kiuchi K., Nakazato K., Kotake K., Sumiyoshi K., and Yamada S.

---

**Sunyaev-Zel'dovich galaxy cluster surveys**

Kneissl R.

---

**Detecting Virialization Shocks Around Galaxy Clusters  
Through the Sunyaev-Zel'dovich Effect**

Kocsis B., Haiman Z., and Frei Z.

---

**Clumps of material orbiting a black hole and the QPO's**

Koštić U., Čadež A., and Gomboc A.

---

**In a search of collapsing stars**

Kryvdyk V.

---

**Radio jets as decelerating relativistic flows**

Laing R. A., Bridle A. H., and Canvin J.R.

---

**The relativistic time delay of the pulsar radiation in the non-stationary gravitational field of the globular clusters.**

---

Larchenkova T. I. and Kopeikin S. M.

---

---

**Relativistic effects on the evolution of a Low Mass X-Ray Binary**

Lavagetto G., Burderi L., D'Antona F., and Robba N. R.

---

**Self-consistent Generation of Giant Radio Pulses in  
Strong Langmuir Turbulence**

Lesch H., Jaroschek C. H., and Treumann R. A.

---

**Metal Enrichment and Mergers in Clusters of Galaxies**

Mair M., Kapferer W., Domainko W., Schindler S., van Kampen E., Kronberger T., Kimeswenger S., Ferrari C., and Ruffert M.

---

**The XMM-Newton view of GRS 1915+105 in a plateau state**

Martocchia A., Matt G., Belloni T., Feroci M., Karas V., and Ponti G.

---

**Observing Relativity at work in the X-ray spectra and variability of Active Nuclei and Galactic BH binaries**

Miniutti G.

---

**Slow-roll correction to inflation fluctuations on a brane**

Mizuno S., Koyama K., and Wands D.

---

**General relativistic MHD simulations of relativistic jets from a rotating black hole magnetosphere**

Mizuno Y., Shibata K., Koide S., and Nishikawa K.-I.

---

**Relativistic Jet Propagation in the Progenitor of GRBs**

Mizuta A., Nagataki S., and Mineshige S.

---

**Equilibrium configurations of degenerate fermionic dark matter and the black hole mass hierarchy**

Morikawa M. and Nakajima T.

---

**Relativistic Bose-Einstein condensation model for dark matter and dark energy**

Morikawa M. and Fukuyama T.

---

**Iron K lines of AGN in the X-ray background**

Müller A. and Hasinger G.

---

**Statistical Mechanics of SDSS Galaxy Distribution**

Nakamichi A. and Morikawa M.

---

**Particle acceleration, magnetic field generation, and emission in relativistic pair jets**

Nishikawa K.-I., Ramirez-Ruiz E., Hardee P., Hedeland C., Kouveliotou C., Fishman G. J., and Mizuno Y.

---

**The second order cosmological perturbations and the large scale structure formation**

Noh H. and Hwang J.-C.

---

**Search for Supermassive Black Holes in Galaxies**

Nowak N., Saglia R. P., Bender R., Thomas J., and Davies R.

---

**Plasma instabilities in relativistic jets. Comparison between analytical and numerical approaches.**

Perucho M., Lobanov A., and Martí J. M.

---

**Forced oscillations in relativistic accretion disks and QPOs**

Pétri J.

---

**On a Time-Varying Gravitational Constant**

Pilot C.

---

---

**XMM-Newton Observation of the Synchrotron Nebula in MSH 15-56 (G326.3-1.8)**

Plucinsky P. P., Dickel J. R., Slane P. O., Gaetz T. J., Sasaki M., Edgar R. J., and Smith R. K.

---

**Variability techniques to highlight the emission coming from the innermost regions around the supermassive Black Holes**

Ponti G., Cappi M., Fabian A. C., Maraschi L., Miniutti G., Dadina M., and Malaguti G.

---

**To the connection of short duration GRB with Soft Gamma-Repeaters**

Pozanenko A., Loznikov V., and Preece R.

---

**Turbulence in galaxy clusters: impact on abundance profiles**

Rebusco P.

---

**Supermassive binary black holes and periodic variability in blazars**

Rieger F. M.

---

**Energetic particle acceleration in relativistic shear flows**

Rieger F. M. and Duffy P.

---

**Gamma-ray emission from microquasars: leptonic vs hadronic models**

Romero G. E., Bosch-Ramon V., Paredes J. M., and Orellana M.

---

**Magnetized Supernovae and Pulsar Recoils**

Sawai H., Kotake K., and Yamada S.

---

**Statistics of local, hard X-ray selected AGN: contribution of obscured accretion onto supermassive black holes**

Sazonov S., Revnivtsev M., Churazov E., and Sunyaev R.

---

**Three-dimensional models of clumpy tori in Seyfert galaxies**

Schartmann M., Meisenheimer K., Camenzind M., Wolf S., and Henning Th.

---

**Less is more ? Are radio galaxies below the Fanaroff-Riley break more polarized on parsec-scales ?**

Shastri P., Kharb P., and Gabuzda D.

---

**Hydrodynamical simulations of cluster formation with central AGN feedback**

Sijacki D., Springel V., and White S. D. M.

---

**Unaccounted Energy of Cool Dark Cosmic Dust**

Simonia I. and Simonia T.

---

**Gravitational waves for odd parity from collapsing dust ball**

Sotani H. and Maeda K.

---

**The Lagrangian description for the cosmic fluid**

Tatekawa T.

---

**Probing the physics of relativistic jets through multiwavelength observations.**

Tavecchio F., Maraschi L., and Sambruna R.

---

**Soft GRBs/XRFs in the BATSE data**

Tikhomirova Ya., Stern B., Kozyreva A., and Poutanen J.

---

**Mach's Principle and a Variable Speed of Light**

Unzicker A.

---

---

**The Black Hole Mass and Eddington Ratio: Spectral Analyses of an X-ray Selected AGN Sample**

Xu D. W. and Grupe D.

---

**The magnetic fields of Atoll and Z sources inferred by the kHz QPO model**

Zhang C. M.

---

**Inclination angle effects to the observed AGN luminosity function and spectra**

Zhang S. N.

---