

List of Publications

Agnieszka Janiuk

Refereed journals (*Highlited publications are marked with an asterisk*)

1. Czerny B., Siemiginowska A., **Janiuk A.**, Gupta A., *The nature of the intranight variability of radio-quiet quasars*, 2007, *MNRAS*, in preparation
2. **Janiuk A.**, Proga D., Kurosawa R., *Nonaxisymmetric effects in the black hole accretion inviscid hydrodynamics: formation and evolution of a tilted torus*, 2007, *ApJ*, submitted
3. ★ **Janiuk A.**, Proga D., *Low angular momentum accretion in the collapsar: how long can be a long GRB?*, 2007, *ApJ*, submitted (arXiv:0708.2711v1)
4. ★ **Janiuk A.**, Yuan Y.-F., Perna R., Di Matteo T., *Instabilities in the time-dependent neutrino disc in Gamma-Ray Bursts*, 2007, *ApJ*, 664, 1011
5. **Janiuk A.**, Czerny B., *Accreting corona model of the X-ray variability in soft state X-ray binaries and active galactic nuclei*, 2007, *A&A*, **466**, 793
6. Czerny B., **Janiuk A.**, *Modeling the UBVRTI time delays in Mrk 335*, 2007, *A&A*, **464**, 167
7. ★ **Janiuk A.**, Czerny B., Moderski R., Cline D.B., Matthey C., Otwinowski S., *On the origin of the bimodal duration distribution of gamma-ray bursts and the subset model*, 2006, *MNRAS*, **365**, 874
8. **Janiuk A.**, Czerny B., *Time dependent accretion onto a black hole in a disk plus corona system*, 2006, *AdSpR*, **38**, 12
9. Cline D.B., Czerny B., Matthey C., **Janiuk A.**, Otwinowski S., *Study of Very Short Gamma-Ray Bursts: New Results from BATSE and Konus*, 2005, *ApJL*, **633**, L73
10. **Janiuk A.** & Czerny B., *Time-delays between the soft and hard X-ray bands in GRS 1915+105*, 2005, *MNRAS*, **356**, 205
11. **Janiuk A.**, Czerny B., Perna R., DiMatteo T., *Hyper-Eddington accretion in GRB*, 2005, *NCimC*, **28**, 419
12. ★ **Janiuk A.**, Perna R., Di Matteo T., Czerny B., *Evolution of a neutrino-cooled disc in gamma-ray bursts*, 2004, *MNRAS*, **355**, 950
13. **Janiuk A.**, Czerny B., Siemiginowska A., Szczerba R., *On the Turbulent α -Disks and the Intermittent Activity in Active Galactic Nuclei*, 2004, *ApJ*, **602**, 595
14. Bechtold J., Siemiginowska A., Shields J., Czerny B., **Janiuk A.**, Hamann F., Aldcroft T.L., Elvis M., Dobrzycki A., *Chandra Survey of Radio-quiet, High-Redshift Quasars*, 2003, *ApJ*, **588**, 119
15. ★ **Janiuk A.**, Czerny B. & Siemiginowska A., *Radiation Pressure Instability Driven Variability in the Accreting Black Holes*, 2002, *ApJ*, **576**, 908

16. **Janiuk A.**, Czerny B. & Madejski G.M., *The Nature of the Emission Components in the Quasar/NLS1 PG 1211+143*, 2001, *ApJ*, **557**, 408
17. Czerny B., Róžańska A. & **Janiuk A.**, *Evaporation of accretion disks: mechanism and observational consequences*, 2001, *AdSpR*, **28**, 439
18. **Janiuk A.**, Czerny B. & Siemiginowska A., *Radiation Pressure Instability as a Variability Mechanism in the Microquasar GRS 1915+105*, 2000, *ApJ*, **542**, L33
19. **Janiuk A.**, Czerny B. & Życki P.T., *On the effect of coronal outflow on spectra formation in galactic black hole systems*, 2000, *MNRAS*, **318**, 180
20. **Janiuk A.**, Życki P.T. & Czerny B., *The role of advection in the accreting corona model for active galactic nuclei and Galactic black holes*, 2000, *MNRAS*, **314**, 364
21. **Janiuk A.** & Czerny B., *Properties of the two-temperature corona model for active galactic nuclei and galactic black hole X-ray Binaries*, 2000, *NewA*, **5**, 7
22. Czerny B., Róžańska A., **Janiuk A.**, Życki P.T., *Disk/corona model: The transition to ADAF*, 2000, *NewAR*, **44**, 439
23. **Janiuk A.**, Czerny B. & Życki P.T., *Two-Temperature Corona Model in Application to Galactic Black Holes*, 1999, *Astrophysical Letters and Communications*, **38**, 277

Other

1. Cline D.B., Matthey C., Otwinowski S., Czerny B., Janiuk A., *Comparison Of VSB From BATSE, KONUS And SWIFT*, 2007, AIP Conference Proceedings, Vol. 921, p. 280
2. Cline D.B., Matthey C., Otwinowski S., Czerny B., Janiuk A., *The Search for Primordial Black Holes Using Very Short Gamma Ray Bursts*, 2007, talk given at the "Outstanding Questions for the Standard Cosmological Model" meeting, Imperial College, UK
3. Czerny B., Janiuk A., *Accreting Corona Model of the X-ray Power Spectrum in Soft State AGN and GBH*, 2006, IAU Symposium Proceedings, **238**, 83
4. Janiuk A., Yuan Y., Perna R., DiMatteo T., *Neutrino Cooled disk in GRB central engine*, 2005, *Proceedings of the Conference "Astrophysical Sources of High Energy Particles and Radiation"*, eds. T. Bulik, G. Madejski, B. Rudak, AIP Proceedings Series, **801**, p. 119
5. Janiuk A., Czerny B., 2005, *Proceedings of the COSPAR Colloquium "Spectra & Timing of Compact X-ray Binaries"*, eds. P. Ghosh and E.P.J. van den Heuvel
6. Janiuk A., Czerny B. Perna R., Di Matteo T., 2005, *Proceedings of the "4th Workshop of Gamma Ray Bursts in the Afterglow Era"*, Nuovo Cimento C, **28**, p. 419
7. Janiuk A., Czerny B., Siemiginowska A., *What Triggers the Activity Cycle in Galactic Nuclei?*, 2005, *Proceedings of the Conference "Growing Black Holes"*, eds. A. Merloni, S. Nayakshin, R. Sunyaev, Springer-Verlag series of ESO Astrophysics Symposia, **2004.XIV**, p. 304
8. Siemiginowska A., Janiuk A., Czerny B., *AGN Outbursts and Accretion Disks*, 2005, *Proceedings of the Conference "Growing Black Holes"*, eds. A. Merloni, S. Nayakshin, R. Sunyaev, Springer-Verlag series of ESO Astrophysics Symposia, **2004.XIV**, p. 315

9. Janiuk A., Czerny B., Siemiginowska A., *Intermittent Activity in AGN*, 2004, *Proceedings of the 5th INTEGRAL Workshop "The INTEGRAL Universe"*, eds. V. Schoenfelder, G. Lichti, C. Winkler, ESA SP **552**, 571
10. Siemiginowska A., Janiuk A. & Czerny B., *Origin of AGN outbursts*, 2004, *American Astronomical Society, HEAD meeting 8.2609*
11. Siemiginowska A., Janiuk A., Czerny B., Sobolewska M., Szczerba R., *Intermittency, Accretion Disks and AGN Evolution*, 2004, *Proceedings of the Conference "Multiwavelength AGN surveys"*, eds. R. Mujica, R. Maiolino, World Scientific Publishing Company, Singapore, p. 351
12. Janiuk A., Czerny B. & Siemiginowska A., *Disk Instability in a Microquasar*, 2002, *Proceedings of the 4th Microquasar Workshop*, eds. Durouchoux Ph., Fuchs Y., Rodriguez J., Centre for Space Physics, Kolkata, p. 23
13. Janiuk A., Kuraszewicz J. & Czerny B., *Probing the Central Engine of the Narrow-Line Seyfert 1 Galaxies*, 2002, *Proceedings of the ESA Workshop "X-ray Universe in the XMM Newton and Chandra Era"*, eds. Jansen F. et al.
14. Janiuk A., Czerny B. & Madejski G.M., *Spectral properties of the Narrow-Line Seyfert 1 Quasar PG1211+143*, 2002, *Proceedings of the ESA Workshop "X-ray Universe in the XMM Newton and Chandra Era"*, eds. Jansen F. et al.
15. Janiuk A., Czerny B. & Siemiginowska A., *Variability model for the microquasar GRS 1915+105*, 2001, *Proceedings of the 4th INTEGRAL Workshop "Exploring the Gamma Ray Universe"*, eds. Gimenez A., Reglero V., Winkler C., ESA SP **459**, 427
16. Janiuk A., Życki P.T. & Czerny B., *Outflowing Coronae Above Accretion Discs in AGN and GBH*, 2001, *Proceedings of the ESO Workshop "Black Holes in Binaries and Galactic Nuclei"*, eds. Kaper L., van den Heuvel E.P.J., Woudt P.A., Springer-Verlag series of ESO Astrophysics Symposia, **1999.XXIII**, p. 232
17. Janiuk A. & Czerny B., *Thermal and Viscous Instability of Accretion Disc in AGN*, 2001, *Proceedings of the Advanced Lectures on Starburst-AGN Connection*, eds. Mujica R., Arexaga I., Kunth D., *INAOE Electronic Edition*, electronic edition: <http://www.inaoep.mx/agn00/posters.html>
18. Janiuk A., Życki P.T. & Czerny B., *X-ray reprocessing in Narrow-Line Seyfert 1 Galaxies: Ton S180 and Ark 564*, 2000, *NewAR: electronic edition*, **44**, 1033
19. Czerny B., Janiuk A., Różańska A., Życki P.T., *Structure and Formation of Accretion Disk Corona for Active Galactic Nuclei and Galactic Black Holes*, 1999, *Proceedings of the Conference "High Energy Processes in Accreting Black Holes"*, eds. Poutanen J., Svensson R., ASP Conf. Series, **161**, 331