

LIST OF PUBLICATIONS

Refereed

- [1] M. Topinka, M. Karlický, and R. Hudec. Simulation of magnetic field dissipation in gamma-ray bursts. *Nuovo Cimento C Geophysics Space Physics C*, 28:455, May 2005.
- [2] A. J. Castro-Tirado, J. M. Castro Cerón, J. Gorosabel, P. Páta, J. Soldán, R. Hudec, M. Jelínek, M. Topinka, M. Bernas, T. J. Mateo Sanguino, A. de Ugarte Postigo, J. Á. Berná, A. Henden, F. Vrba, B. Canzian, H. Harris, X. Delfosse, B. de Pontieu, J. Polcar, C. Sánchez-Fernández, B. A. de la Morena, J. M. Más-Hesse, J. Torres Riera, and S. Barthelmy. Detection of an optical transient following the 13 March 2000 short/hard gamma-ray burst. *A&Ap*, 393:L55–L59, October 2002.
- [3] G. Pizzichini, P. Ferrero, M. Genghini, F. Gianotti, and M. Topinka. The Epeakrest E correlation in GRBs in the BATSE catalog. *Advances in Space Research*, 38:1338–1341, 2006.
- [4] S. Mereghetti, D. Götz, M. I. Andersen, A. Castro-Tirado, F. Frontera, J. Gorosabel, D. H. Hartmann, J. Hjorth, R. Hudec, K. Hurley, G. Pizzichini, N. Produit, A. Tarana, M. Topinka, P. Ubertini, and A. de Ugarte. GRB 040403: A faint X-ray rich gamma-ray burst discovered by INTEGRAL. *A&Ap*, 433:113–116, April 2005.
- [5] G. Pizzichini, P. Ferrero, M. Genghini, F. Gianotti, and M. Topinka. Towards the E_{peak}^{rest} - E_{iso} correlation in GRBs in the BATSE Catalog: A progress report. *Nuovo Cimento C Geophysics Space Physics C*, 28:319, May 2005.
- [6] J. Polcar, M. Topinka, D. Nečas, R. Hudec, V. Hudcová, F. Hroch, N. Masetti, G. Pizzichini, and E. Palazzi. Search for correlations between BATSE gamma-ray bursts and supernovae. *A&Ap*, 452:439–449, June 2006.
- [7] J. Polcar, M. Topinka, D. Necas, F. Hroch, V. Hudcová, R. Hudec, G. Pizzichini, N. Masetti, and E. Palazzi. Search for correlations between BATSE Gamma-Ray Bursts and Supernovae. *Nuovo Cimento C Geophysics Space Physics C*, 28:629, July 2005.

- [8] J. Polcar, M. Topinka, G. Pizzichini, E. Palazzi, N. Masetti, R. Hudec, and V. Hudcová. Search For Correlations Between Batse Gamma-Ray Bursts and Supernovae. *ApSS*, 296:485–488, April 2005.

Non-refereed

- [9] M. Topinka, M. Topinka, and M. Karlický. Simulation of magnetic field dissipation in astrophysical jets. *Cosmic Particle Acceleration, 26th meeting of the IAU, Joint Discussion 1, 16-17 August, 2006, Prague, Czech Republic, JD01, #43, 1*, August 2006.
- [10] M. Topinka, H. Spruit, and M. Karlický. Magnetic Field Dissipation in GRBs. In T. Bulik, B. Rudak, and G. Madejski, editors, *Astrophysical Sources of High Energy Particles and Radiation*, volume 801 of *American Institute of Physics Conference Series*, pages 141–142, November 2005.
- [11] M. Topinka. Further Analysis of GRB 030501. In E. Fenimore and M. Galassi, editors, *Gamma-Ray Bursts: 30 Years of Discovery*, volume 727 of *American Institute of Physics Conference Series*, pages 213–216, September 2004.
- [12] M. Jelínek, R. Hudec, P. Kubánek, M. Nekola, J. Soldán, I. Stoklasová, M. Topinka, R. Smída, L. Svěda, F. Hroch, J. Polcar, and A. J. Castro-Tirado. BART - Recent Status. In G. R. Ricker and R. K. Vanderspek, editors, *Gamma-Ray Burst and Afterglow Astronomy 2001: A Workshop Celebrating the First Year of the HETE Mission*, volume 662 of *American Institute of Physics Conference Series*, pages 520–522, April 2003.
- [13] J. Polcar, M. Topinka, D. Necas, F. Hroch, R. Hudec, V. Hudcová, G. Pizzichini, N. Masetti, and E. Palazzi. Search for Correlations Between BATSE Gamma-Ray Bursts and Supernovae. In S. S. Holt, N. Gehrels, and J. A. Nousek, editors, *Gamma-Ray Bursts in the Swift Era*, volume 836 of *American Institute of Physics Conference Series*, pages 460–463, May 2006.
- [14] R. Hudec, R. Filgas, V. Simon, M. Basta, and M. Topinka. Correlation of Color Behaviour of Blazars and Optical Afterglows of GRBs. In S. S. Holt, N. Gehrels, and J. A. Nousek, editors, *Gamma-Ray Bursts in the Swift Era*, volume 836 of *American Institute of Physics Conference Series*, pages 440–443, May 2006.
- [15] M. Jelínek, P. Kubánek, R. Hudec, M. Nekola, M. Topinka, and J. Štrobl. BART - Burst Alert Robotic Telescope. In J.-M. Hameury and J.-P. Lasota, editors, *The Astrophysics of Cataclysmic Variables and Related Objects*, volume 330 of *Astronomical Society of the Pacific Conference Series*, page 481, August 2005.
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- [17] P. Kubánek, M. Jelínek, M. Nekola, M. Topinka, J. Štrobl, R. Hudec, T. D. J. Mateo Sanguino, A. de Ugarte Postigo, and A. J. Castro-Tirado. RTS2 – Remote Telescope System, 2nd Version. In E. Fenimore and M. Galassi, editors, *Gamma-Ray Bursts: 30 Years of Discovery*, volume 727 of *American Institute of Physics Conference Series*, pages 753–756, September 2004.
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- [19] J. Polcar, R. Hudec, M. Topinka, M. J. Nek, J. Tich’, M. Tich’, N. Masetti, and G. Pizzichini.
- [20] J. Polcar, R. Hudec, M. Topinka, J. Tichá, M. Tichy, N. Masetti, and G. Pizzichini. Optical Follow-Up Observations of GRBs at the Klet’ Observatory. In G. R. Ricker and R. K. Vanderspek, editors, *Gamma-Ray Burst and Afterglow Astronomy 2001: A Workshop Celebrating the First Year of the HETE Mission*, volume 662 of *American Institute of Physics Conference Series*, pages 363–365, April 2003.
- [21] M. Jelínek, P. Kubánek, M. Nekola, M. Topinka, J. Štrobl, R. Hudec, A. J. Castro-Tirado, and T. J. M. S. de. Robotic telescope BART. *Odessa Astronomical Publications*, 16:31, 2003.

Circulars

- [22] J. Štrobl, M. Topinka, M. Nekola, R. Hudec, P. Kubánek, and M. Jelínek. Possible GRB060421: BART limits. *GCN*, 4986, 2006.
- [23] J. Štrobl, P. Kubánek, M. Jelínek, R. Hudec, M. Topinka, F. Munz, M. Nekola, A. J. Castro-Tirado, T. M. Sanguino, and A. de Ugarte Postigo. GRB 2974 follow-up observations. *GCN*, 2491, 2003.