

Publications list

Original papers:

- 1) L. W. Piotrowski, Limits on the optical precursor to the naked-eye burst GRB080319B from the "Pi of the Sky" observations, *accepted for publication in Astronomy & Astrophysics*
- 2) Racusin et al., Broadband observations of the naked-eye gamma-ray burst GRB 080319B, *Nature*, Vol 455, No. 7210, 11 September 2008, pages 183-188
- 3) Majczyna et al., The catalog of short periods stars from the "Pi of the Sky" data, *New Astronomy Volume 13, Issue 6, August 2008, pages 414-417*
- 4) Jędrzejczak et al., Search for correlations of GRB and cosmic rays, *Astrophysics and Space Science*, 2007Ap&SS vol. 309, Numbers 1-4, June 2007, pages 471-475
- 5) Ćwiok et al., Search for GRB related prompt optical emission and other fast varying objects with "Pi of the Sky" detector, *Astrophysics and Space Science*, 2007Ap&SS vol. 309, Numbers 1-4, June 2007, pages 531-535
- 6) Burd et al., Pi of the Sky - all-sky, real-time search for fast optical transients, *New Astronomy, Volume 10, Issue 5 (April 2005), pages 409-416*
- 7) Burd et al., "Pi of the Sky" - automatic search for fast optical transient over the whole sky, *Astronomische Nachrichten / AN 325, No. 6-8, 2004*

Conference proceedings:

- 1) L. W. Piotrowski, A. F. Żarnecki, Results of analysis of the detector response of the Pi of the Sky experiment, submitted to *Bull. Astr. Soc. India*
- 2) Piotrowski et al., Analysis and simulation of the Pi of the Sky detector response, *Acta Polytechnica (2011), Vol. 51, No. 6, p.57*
- 3) Piotrowski et al., Laboratory measurements and modelling of the "Pi of the Sky" detector response for more effective detection of GRB optical counterparts, *AIP Conference Proceedings (2011), Volume 1358, 389-392*
- 4) Majcher et al., Present status of the Pi of the Sky telescopes, *Proc. of SPIE, Vol. 8008 (Oct. 6, 2011)*
- 5) Piotrowski et al., Pi of the Sky: modelling of the detector response for more effective search for optical GRB counterparts, *Astroparticle, particle and space physics, detectors and medical physics applications (2010), 313-318*
- 6) Malek et al., "Pi of the Sky" detector, *Advances in Astronomy, Volume 2010 (2010), Article ID 194946*
- 7) Nawrocki et al., PiMan: system manager of the "Pi of the Sky" experiment, *Advances in Astronomy, Volume 2010 (2010), Article ID 560378*
- 8) Sokolowski et al., Automated Detection of Short Optical Transients of Astrophysical Origin in Real Time, *Advances in Astronomy Volume 2010*

- 9) Sokolowski et al., Detection of short optical transients of astrophysical origin in real time, *Proc. SPIE Vol. 7502, 75020F* (Aug. 5, 2009)
- 10) Majcher et al., Gamma-ray bursts and GRB080319B, *Proc. SPIE Vol. 7502, 75020G* (Aug. 5, 2009)
- 11) Wawrzaszek et al., Possible use of the 'Pi of the Sky' system in a space situational awareness program, *Proc. SPIE Vol. 7502, 75020J* (Aug. 5, 2009)
- 12) Piotrowski et al., Laboratory measurements of the "Pi of the Sky" optical system, *Proc. SPIE Vol. 7502, 75020E* (Aug. 5, 2009)
- 13) Malek et al., General overview of the "Pi of the Sky" system, *Proc. SPIE Vol. 7502, 75020D* (Aug. 5, 2009)
- 14) Sokolowski et al., Prompt optical observations of GRBs with "Pi of the Sky" system, *AIP Conf.Proc.1133:306-311,2009*
- 15) Majczyna et al., Search for optical flashes of astronomical origin with „Pi of the sky” prototype, *Proceedings of Science EPS-HEP (2009), p. 452*
- 16) Malek et al., "Pi of the Sky" - an innovative approach to astrophysical optical transients detection , *Proceedings of Science SUPERNOVA (2007) p.20*
- 17) Biskup et al., Providing on-line access to the "Pi of the Sky" data, *Proc. of SPIE, Vol. 6937, 2007, 1-8.*
- 18) Ćwiok et al., Search for Optical Counterparts of Gamma Ray Burst, *Acta Physica Polonica B, Vol. 37, No. 3, March 2006, page 919*
- 19) Piotrowski et al., Angular Anisotropy of Very Short Gamma Ray Bursts, *European Cosmic Ray Symposium 2006 Proceedings*
- 20) Piotrowski et al., Algorithms for cosmic flash recognition, *Proc. of SPIE, Vol. 6159, 2006, 195-200*
- 21) Burd et al., "Pi of the Sky" - robotic search for cosmic flashes, *Proc. of SPIE, Vol. 6159, 2006, 154-159*
- 22) Piotrowski et al., Limits on GRB early optical emission from "Pi of the Sky" system, *Proc. of SPIE, Vol. 6347, 2006, 1-7.*
- 23) Małek et al., All sky scan analysis algorithm for "Pi of the Sky" project, *Proc. of SPIE, Vol. 6347, 2006, 1-7*
- 24) Sokołowski et al., Study of rapidly varying astrophysical objects with the "Pi of the Sky" apparatus, *Proc. of SPIE, Vol. 6347, 2006, 1-14*
- 25) Burd et al., Pi of the sky: search for optical flashes of extragalactic origin, "Photonics Applications in Industry and Research IV", *Proc. of SPIE, Vol. 5948, 2005, 469-475*
- 26) Ćwiok et al., Search for GRB optical counterparts with "Pi of the Sky" apparatus, *AIP Conference Proceedings, vol.801 (2005), 143.*
- 27) Stankiewicz et al., Apparatus to Search for Optical Flashes of Extragalactic Origin, *Nuclear Science Symposium Conference Record, 2004 IEEE, 400-404*
- 28) Ćwiok et al., Search for optical flashes accompanying gamma ray bursts, *Proc. of SPIE, Vol. 5484, p. 283-289, July 2004*
- 29) Piotrowski et al., Simulation of point-like optical flashes in the sky, *Proc. of SPIE, Vol. 5484, p. 290-299, July 2004*