

CURRICULUM VITAE

CONTACT

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PERSONAL DETAILS

date & place of birth: 26 July 1976; Kraków, Poland
nationality: Poland

SCIENTIFIC DEGREES

- 06/2013 **Habilitation** at the Faculty of Physics, Astronomy and Applied Computer Science of the Jagiellonian University; thesis entitled: *‘Active Galaxies as Sources of Cosmic Rays Studied in a Broad Band of the Electromagnetic Spectrum and a Wide Range of Particle Energies’*.
- 01/2005 **Ph.D. in astrophysics** at the Faculty of Physics, Astronomy and Applied Computer Science of the Jagiellonian University; thesis entitled: *‘Multifrequency Radiation of Extragalactic Large-Scale Jets’* (advisor: M. Ostrowski).
- 06/2000 **M.Sc. in astrophysics** at the Faculty of Mathematics, Physics and Computer Science of the Jagiellonian University; diploma work entitled: *‘Radiation of Ultra-relativistic Electrons Accelerated Within Boundary Shear Layer of Relativistic Jet’* (supervisor: M. Ostrowski).

EDUCATION & EMPLOYMENT

- 04/2017– ——— Employed full time in the Astronomical Observatory of the Jagiellonian University at the position of an **Associate Professor (Profesor Nadzwyczajny)**.
- 10/2008–03/2017 Employed full time in the Astronomical Observatory of the Jagiellonian University at the position of an **Adjunct Professor (Adiunkt)**.
- 06/2005–09/2008 Employed full time in the Astronomical Observatory of the Jagiellonian University at the position of an **Assistant Professor (Asystent)**.
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- 03/2010–03/2015 **International Top Young Fellow** at the Institute of Space Astronautical Science, Japan Aerospace Exploration Agency (Sagamihara, Japan).
- 10/2006–03/2010 **Research Associate** at the Kavli Institute for Particle Astrophysics and Cosmology, Stanford University (Stanford, USA); advisor: R.D. Blandford.
- 04/2005–09/2006 **Postdoctoral researcher** at the Max-Planck-Institut für Kernphysik and Landessternwarte Heidelberg (Heidelberg, Germany); advisors: F. Aharonian, S. Wagner.
- 10/2004–03/2005 **Visiting Scientist** at the Harvard-Smithsonian Center for Astrophysics (Cambridge, USA); advisor: A. Siemiginowska.
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- 10/2000–06/2004 Ph.D. position at the Astronomical Observatory of the Jagiellonian University.
- 10/1999–12/1999 Student exchange visit at the University College Cork (Cork, Ireland).
- 10/1995–06/2000 Studies of physics at the Faculty of Mathematics, Physics and Computer Science of the Jagiellonian University (Kraków, Poland).

SCIENTIFIC INTERESTS

- particle acceleration and propagation in magnetized astrophysical plasma;
- production of high-energy particles in the Solar System;
- launching of relativistic jets in active galaxies;
- cosmological evolution of supermassive black holes and active galactic nuclei;
- internal structure of relativistic astrophysical jets and their interactions with the environment;
- non-thermal processes in the interstellar and intracluster medium.

SCIENTIFIC AWARDS

- **The 2011 Shakti P. Duggal Award** given during the 32nd International Cosmic Ray Conference.
- The 2010 Bruno Rossi Prize (for the H.E.S.S. Collaboration).
- **The 2007 Award for Young Scientists** by Polish Astronomical Society.
- The 2006 Descartes Prize for Research (for the H.E.S.S. Collaboration).
- Scientific fellowships for undergraduate students by Polish Ministry of National Education (1998/00).

PUBLIC OUTREACH

- Press conference of the Polish Academy of Sciences *‘Nowe przełomowe odkrycia w astronomii fal grawitacyjnych’* (16.10.2017).
- NASA Press Release *‘Glow from the Big Bang Allows Discovery of Distant Black Hole Jet’* (16.02.2016).
- NASA, ESA & JAXA Press Releases *‘Cassini Sheds Light on Cosmic Particle Accelerators’* (18/19.02.2013).
- Included in the 2013, 2012, and 2011 Issues of the *‘Japanese Scientists in Science’*.
- NASA and JAXA Press Releases *‘Record-Setting X-ray Jet Discovered’* (28.11.2012).
- NASA Press Release *‘Fermi Maps an Active Galaxy’s Smokestack Plumes’* (1.04.2010).

TEACHING EXPERIENCE

- Master Thesis supervision in the Astronomical Observatory UJ (2017/18)
- Mentoring the Fulbright U.S. Researcher in the Astronomical Observatory UJ (2017/18)
- Tutoring participants of the Studies in Mathematics and Natural Sciences UJ.
- Supervising Ph.D. students in the Astronomical Observatory UJ
- Supervising participants of the Summer Internship Program for Astronomy and Physics Students in the Astronomical Observatory UJ (2016, 2017).
- Lectures for the Ph.D. students in the Astronomical Observatory UJ (*Selected Topics In High Energy Astrophysics*; 2015/16, 2016/17).
- Lectures for the M.Sc. students in the Astronomical Observatory UJ (*Introduction to High Energy Astrophysics*; 2015/16, 2016/17).
- Lecturer during the NASA’s Fermi Summer School 2013 (28.05–7.06.2013).
- Recitations to various lectures for the M.Sc. students in the Astronomical Observatory UJ (including *Mathematical Methods in Physics & Astrophysics* and *Theoretical Astrophysics*; 2000–2004).

OTHER ACADEMIC DUTIES

- Member of the Committees on Doctoral Degree; Astronomical Observatory UJ, Kraków; June 2017, November 2017.
- Member of the Committee on Habilitation Degree; Institute of Nuclear Physics – Polish Academy of Sciences, Kraków; March 2017.
- In charge of the ‘*Astronomy & Astrophysics Seminars*’ in the Astronomical Observatory UJ (2016–).
- In charge of the ‘*Astronomy Seminar Series*’ at the Stanford University (2007–2009).

CONDUCTED OBSERVATIONS

- with the Submillimeter Array (SMA); Mauna Kea, Hawaii (USA), 1–6.09.2009.
- with the High Energy Stereoscopic System of Atmospheric Cherenkov Telescopes (H.E.S.S.); Gamsberg Mountain (Namibia), 23.02–17.03.2008.

GROUPS, NETWORKS & COLLABORATIONS

- Member (Team Representative) of the **e-ASTROGAM** Collaboration (future space γ -ray mission submitted to ESA); since 2015.
- Science member of the **ATHENA** Team (future space X-ray mission selected by ESA); since 2015.
- Science member of the **XIPE** Team (future space X-ray mission selected by ESA); since 2015.
- Science member of the **ASTRO-H** Team (New Exploration X-ray Telescope); 2010–16.
- Member of the **CTA** Consortium (The Cherenkov Telescope Array); since 2010.
- Member of the **Fermi-LAT** Collaboration (Large Area Telescope onboard the Fermi Gamma Ray Telescope); affiliated: 2009–11, full: since 2011.
- Member of the **H.E.S.S.** Collaboration (High Energy Stereoscopic System: an Array of Imaging Atmospheric Cherenkov Telescopes); since 2006.
- Member of the **ENIGMA** Collaboration (European Network for the Investigation of Galactic Nuclei through Multifrequency Analysis, funded by the European Commission); 2006.
- Member of the **Polish Astronomical Society**; since 2001.

LONGER RESEARCH VISITS

- Department of Physics and Astronomy, University of Delaware (Newark, USA); 2013, two weeks.
- Department of Astronomy, Yale University (New Haven, USA); 2013, one week.
- Department of Physical Science, Hiroshima University (Hiroshima, Japan); 2013, one week.
- CSIRO Astronomy and Space Science (Marsfield, Australia); 2012, one month.
- KIPAC, Stanford University (Stanford, USA); 2010–2013, several weekly/monthly visits.
- Laboratoire d’Astrophysique de Grenoble (Grenoble, France); 2010, several weekly visits.
- The Department of Astronomy, Stockholm University (Stockholm, Sweden); 2009, one month.
- Harvard-Smithsonian Center for Astrophysics (Cambridge, USA); 2007–2014, several weekly visits.
- Institut d’Astrophysique de Paris (Paris, France); 2005, several weeks.
- JILA, University of Colorado (Boulder, USA); 2003, one month.
- Nicolaus Copernicus Astronomical Center (Warszawa, Poland); 2000–2013, several weekly visits.

PEER REVIEWING

- Member of the CTA Speaker and Publications Office (SAPO); 2016–2018.
- Member of the Observing Programmes Committee for the European Southern Observatory; 2015.
- Reviewer for the High Energy Astrophysics Division of the Harvard-Smithsonian Center for Astrophysics in ‘*Chandra X-ray Center Cycle 16 Peer Review*’; 2014.
- Reviewer for the NASA’s ‘*Suzaku Cycle 4 Peer Review Panel*’; 2009.
- Reviewer for the NASA’s ‘*Astrophysics Theory and Fundamental Physics*’ program; 2007.
- Reviewer for the High Energy Astrophysics Division of the Harvard-Smithsonian Center for Astrophysics in ‘*Chandra X-ray Center Cycle 9 Peer Review*’; 2007.
- Frequent reviewer for the ApJ, ApJL, MNRAS, A&A, APh, and PASJ; since 2005.

RESEARCH GRANTS

- NSC grant SONATA-BIS 2016/22/E/ST9/00061 ‘*Produkcja i propagacja cząstek wysokoenergetycznych w przestrzeni kosmicznej: od Układu Słonecznego i ośrodka międzygwiazdowego do supermasywnych czarnych dziur i gromad galaktyk*’ (PI: Ł. Stawarz); 2017–2022 (60 months; currently ongoing).
- NSC grant HARMONIA 2016/22/M/ST9/00382 ‘*Astrofizyka bardzo wysokich energii z wykorzystaniem obserwatoriów H.E.S.S. i MAGIC*’ (PI: R. Moderski); 2017–2020 (36 months).
- NSC grant HARMONIA 2016/22/M/ST9/00583 ‘*Polski wkład w przygotowanie i przeprowadzenie programu badawczego projektu CTA w pierwszej fazie działania*’ (PI: M. Ostrowski); 2017–2020 (36 months).
- NSC grant DEC-2012/04/A/ST9/00083 ‘*Teoretyczne badanie relatywistycznych dżetów z wykorzystaniem danych obserwacyjnych w szerokim zakresie częstotliwości widma elektromagnetycznego, od fal radiowych do wysokoenergetycznego promieniowania gamma*’ (PI: M. Ostrowski); 2012–2017 (60 months).
- NCN grant DPN/N43/HESS-MAGIC/2010 ‘*Obserwacje wysokoenergetycznych źródeł astrofizycznych w ramach międzynarodowych projektów H.E.S.S. i MAGIC*’ (PI: R. Moderski); 2010–2015 (60 months).
- MNiSW N N203 380336 ‘*Teoretyczne i obserwacyjne badanie procesów akceleracji cząstek promieniowania kosmicznego*’ (PI: M. Ostrowski); 2009–2012 (36 months).
- 621/E-78/BWSN-0068/2008 ‘*Polish Astroparticle Network*’; 2007–2009 (24 months).
- MNiSW PBS Nr 130/HES/2006/03 ‘*Obserwacje wysokoenergetycznych źródeł astrofizycznych w ramach międzynarodowego projektu H.E.S.S. i udział w jego rozbudowie do fazy H.E.S.S. II*’ (PI: M. Ostrowski); 2006–2009 (36 months).
- 1P03D-003-29 ‘*Procesy akceleracji cząstek promieniowania kosmicznego i towarzyszące im procesy radiacyjne w astrofizycznych dżetach i falach uderzeniowych*’ (PI: M. Ostrowski); 2005–2008 (36 months).
- 1-P03D-001-29 ‘*Badanie własności i wpływu ośrodka międzygalaktycznego na ewolucję radiogalaktyk do tzw. gigantycznych rozmiarów*’ (PI: J. Machalski); 2005–2008 (30 months).
- 1-P03D-011-26 ‘*Emisja wysokoenergetycznych fotonów gamma z wielkoskalowych dżetów pozagalaktycznych*’ (PI: Ł. Stawarz); 2004–2005 (12 months).
- PBZ/KBN/054/P03/2001 ‘*Badanie kosmicznych źródeł promieniowania i cząstek wysokich energii*’ (PI: J. Ziółkowski); 2002–2005 (36 months).
- 2-P03D-002-17 ‘*Badanie mechanizmów akceleracji cząstek promieniowania kosmicznego*’ (PI: M. Ostrowski); 1999–2002 (36 months).

SEMINAR PRESENTATIONS

- at the Toruń Centre for Astronomy, Nicolaus Copernicus University, Poland (03/2017)
- at the Uniwersytet Pedagogiczny w Krakowie, Poland (12/2016)
- at the Polska Akademia Umiejętności (PAU), Poland (01/2016)
- at the Theoretical Astronomy Division, National Astronomical Observatory of Japan, Japan (06/2015)
- at the Department of Physics, Rikkyo University, Japan (05/2015)
- at the Department of Physics and Astronomy, University of Delaware, USA (04/2013, 05/2013)
- at the Department of Astronomy, Yale University, USA (04/2013)
- at the Department of Physical Science, Hiroshima University, Japan (01/2013)
- at the CSIRO Astronomy and Space Science, Australia (08/2012)
- at the Oxford Astrophysics Department, University of Oxford, UK (04/2012)
- at the Laboratoire d'Astrophysique, Observatoire de Grenoble, France (01/2010)
- at the ISAS, Japan Aerospace Exploration Agency, Japan (09/2009, 07/2010, 06/2014, 02/2015)
- at the Oskar Klein Centre for Cosmo Particle Physics, Stockholm University, Sweden (05/2009)
- at the Stockholm Center for Physics, Astronomy and Biotechnology, Sweden (05/2009)
- at the Centre for Space Research, North-West University, South Africa (03/2008)
- at the Astronomical Observatory of the Warsaw University, Poland (04/2007)
- at the Department of Astronomy, University California–Berkeley, USA (03/2007)
- at the KIPAC, Stanford University, USA (02/2007, 04/2007, 09/2008)
- at the Institute of Physics of the Warsaw University, Poland (01/2007, 10/2013)
- at the Stanford Linear Accelerator Center, USA (10/2006, 06/2007, 10/2007, 04/2008, 08/2009, 04/2010, 02/2012, 02/2012)
- at the Landessternwarte Heidelberg, Germany (09/2006)
- at the Institut für Theoretische Physik und Astrophysik, Universität Würzburg, Germany (07/2006)
- at the Max-Planck-Institut für Astronomie, Germany (02/2006)
- at the Harvard-Smithsonian Center for Astrophysics, USA (11/2004, 01/2007, 01/2011)
- at the Astrophysics Division of the Physics Department, MIT, USA (10/2004)
- at the Nicolaus Copernicus Astronomical Center, Poland (02/2004, 10/2008, 09/2013)
- at the Department of Earth and Space Science, Osaka University, Japan (08/2003)
- at the Institut für Astrophysik der Universität Bonn, Germany (07/2003)
- at the Institute of Physics of the Łódź University, Poland (03/2002)
- at the Institute of Physics and the Astronomical Observatory of the Jagiellonian University, Poland (01/1999, 05/2000, 05/2001, 12/2002, 03/2003, 02/2004, 01/2008, 12/2012, 09/2013, 12/2015, 03/2017)

CONFERENCES, SYMPOSIA & WORKSHOPS

108. *'XXXVIII Polish Astronomical Society Meeting'*, Zielona Góra (Poland), 11-14.09.2017
invited talk: 'High-Energy Astrophysics – recent observational results & prospects for the future'
107. *'The Power of X-ray Spectroscopy'*, Warszawa (Poland), 6-8.09.2017
106. *'Polarised Emission from Astrophysical Jets'*, Ierapetra (Greece), 12-16.06.2017
invited talk: 'Conference Summary'
105. *'CTA-PL Meeting'*, Kraków (Poland), 3-4.04.2017
talks: 'Science with SST-1M' and 'Future X-ray Missions'
104. *'TeV Particle Astrophysics 2016'*, CERN (Switzerland), 12-16.09.2016
invited talk: 'Extragalactic Gamma-Ray Astrophysics'
103. *'Blazars through Sharp Multi-Wavelength Eyes'*, Malaga (Spain), 30.05-3.06, 2016
invited talk: 'Relativistic Jets in AGN: Magnetic Field Structure and Particle Acceleration'
102. *'M87 Workshop: Towards the 100th Anniversary of the Discovery of Cosmic Jets'*, Taipei (Taiwan), 23 - 27.05.2016
invited talk: 'High-Energy Emission and Particle Acceleration in M87 Jet'
101. *'15th ASTRO-H Science Meeting'*, Minami-Osawa (Japan), 18-20.05.2016
100. *'The Cherenkov Telescope Array Consortium General Meeting'*, Kashiwa (Japan), 16 - 20.05.2016
talks: 'New Classes of Extragalactic γ -ray Emitters', and 'Science with the first SSTs'
99. *'CTA PL and SST-1M General Meeting'*, Kraków (Poland), 12-14.04.2016
talk: 'Science with SST-1M Telescopes'
98. *'Relativistic Jets: Creation, Dynamics, and Internal Physics'*, Cracow (Poland), 20-24.04.2015
member of the Science Organizing Committee (chair) and Local Organizing Committee
97. *'2nd ASTROGAM Workshop'*, Paris (France), 26-27.03.2015
invited talk: 'Why Do We Need ASTROGAM To Understand Blazars?'
96. *'13th ASTRO-H Science Meeting'*, Minami-Osawa (Japan), 2-4.03.2015
talk: 'ASTRO-H Targets Proposed from the "Broad-Band and Polarimetry" WPTF'
95. *'Future Space-based Gamma-ray Observatories'*, Greenbelt MD (USA), 5-6.02.2015
talk: 'What Can We Learn from MeV Studies of Active Galaxies'
94. *'1st ASTROGAM Workshop: the Mega Universe'*, Rome (Italy), 9-10.12.2014
talk: 'AGN Science with Soft Gamma-ray Detector onboard the ASTRO-H'
93. *'15 Years of Science with Chandra'*, Boston (USA), 18-21.11.2014
talk: 'Chandra Observations of Classical Double Radio Galaxies in Brightest Cluster Galaxies'
92. *'IAU Symposium 313: Extragalactic Jets from Every Angle'*, Galapagos (Ecuador), 15-19.09.2014
member of the Science Organizing Committee
91. *'12th ASTRO-H Science Meeting'*, Paris (France), 9-11.07.2014
talk: 'PV Proposal Summary: Broad-band Spectroscopy & Polarization'
90. *'Kavli IPMU Focus Workshop on Hyper-accretion'*, Kashiwa (Japan), 7-11.04.2014
89. *'Understanding Relativistic Jets by Polarimetry and Synergetic Study From Radio to TeV'*, Hiroshima (Japan), 24-26.03.2014
invited talk: 'Hard Electron Spectra and Polarization Properties of Relativistic Jets'
88. *'ASTRO-H HXI/SGD Science'*, Hiroshima (Japan), 24-25.02.2014
invited talk: 'Nonthermal Physics and Jet Science'
87. *'Suzaku-MAXI 2014: Expanding the Frontiers of the X-ray Universe'*, Matsuyama (Japan), 19-22.02.2014
invited talk: 'Blazars Studied with Suzaku and Fermi-LAT'
86. *'11th ASTRO-H Science Meeting'*, Matsuyama (Japan), 16-18.02.2014

85. *'Multi-messenger Approaches to Cosmic Rays: Origins and Space Frontiers'*, Paris (France), 27 - 29.11.2013
invited talk: 'AGN Jets and Lobes: Sources of UHECRs?'
84. *'Relativistic jets in AGNs 2013'*, Mitaka (Japan), 22.11.2013
invited talk: 'Variability of Blazars: Recent Observational Results vs. Theoretical Modeling'
83. *'Black holes, jets and outflows'*, Kathmandu (Nepal), 14 - 18.10.2013
invited talk: 'AGN Jets and Outflows Viewed at High Energies'
82. *'The Cherenkov Telescope Array Consortium General Meeting'*, Warsaw (Poland), 23 - 27.09.2013
invited talk: 'Particle Acceleration in Astrophysical Sources of High Energy Radiation – A Critical Review in the Context of CTA'
81. *'36th Meeting of Polish Astronomical Society'*, Warsaw (Poland), 11 - 14.09.2013
invited talk: 'Recent Results of the Fermi-LAT Collaboration'
80. *'10th ASTRO-H Science Meeting'*, New Haven CT (USA), 10-12.07.2013
invited talk: 'My Top Science with ASTRO-H'
79. *'33rd International Cosmic Ray Conference'*, Rio de Janeiro (Brasil), 2-9.07.2013
invited rapporteur on the conference contributions relating to space γ -ray astronomy;
talk: 'Active Galaxies Studied with the H.E.S.S. Observatory'
78. *'Fermi Summer School 2013'*, Lewes DE (USA), 28.05-7.06.2013
invited lectures: 'Radiative Processes in Astrophysics', 'Particle Acceleration in Astrophysics',
'Galactic CRs Probed with *Fermi*-LAT', and 'Extragalactic CRs Probed with *Fermi*-LAT'
77. *'The Fermi Bubbles: Theory and Observations'*, Menlo Park CA (USA), 11-12.04.2013
member of the Science Organizing Committee
invited talk: 'Extended Lobes in AGN at High Energies'
76. *'Cracow Astroparticle Meeting: Astrofizyka Cząstek w Polsce'*, Kraków (Poland), 3-6.03.2013
invited talks: 'Przegląd wyników obserwatorium satelitarnego Fermi' and 'Modelowanie emisji gamma ze źródeł pozagalaktycznych'
75. *'9th ASTRO-H Science Meeting'*, Tsukuba (Japan), 18-22.02.2013
74. *'Relativistic Jets in AGN'*, Mitaka (Japan), 29.11.2012
invited talk: 'Extended Lobes in AGN as Viewed at High Energies'
73. *'Nature's Particle Accelerators'*, Annapolis MA (USA), 22-25.10.2012
talk: 'Giant Lobes of Centaurus A Radio Galaxy As Sources of High-Energy Emission and Particles'
72. *'The Extreme Universe Viewed in VHE γ -rays'*, Kashiwa (Japan), 25-26.09.2012
invited talk: 'Astrophysical Sources of High Energy Radiation and Particles'
71. *'IAU XXVIII General Assembly'*, Beijing (China), 20-31.08.2012
member of the Science Organizing Committee
invited talk: 'The AGN Population in Radio and Gamma-rays: Theoretical Perspective'
70. *'ASTRO-H 8th Science Meeting'*, Cambridge (UK), 9-11.07.2012
69. *'Exploring Nonthermal Universe with the Soft Gamma-Ray Detector'*, Hakone (Japan), 17-19.05.2012
invited talk: 'Studying Gamma-ray Emitting AGN with SGD'
68. *'Spring 2012 H.E.S.S. Collaboration Meeting'*, Leicester (UK), 16-20.04.2012
invited talk: 'Flat Spectrum Radio Quasars: HE and VHE Emission'
67. *'Astronomical Society Japan 2012 Spring Meeting'*, Kyoto (Japan), 19-22.04.2012
talk: 'Gamma-ray Loud AGN in the Era of ASTRO-H'
66. *'High Energy Astroparticle Physics 2011 – γ -Ray Universe'*, Tsukuba (Japan), 13-15.11.2011
invited talk: 'Active Galactic Nuclei as Sources of High Energy Particles and Radiation'
65. *'32nd International Cosmic Ray Conference'*, Beijing (China), 11-18.08.2011

64. *‘Exploring the X-ray Universe: Suzaku and Beyond’*, Menlo Park CA (USA), 20-22.07.2011
invited talk: ‘Multi-wavelength studies of Blazars’
63. *‘Sixth Astro-H Science Working Group Meeting’*, Menlo Park CA (USA), 18-19.07.2011
62. *‘Structure in Clusters and Groups of Galaxies in the Chandra Era 2011’*, Boston MA (USA), 12-14.07.2011
61. *‘Understanding Relativistic Jets’*, Cracow (Poland), 23-26.05.2011
member of the Science Organizing Committee and Local Organizing Committee
60. *‘5th ASTRO-H Science Meeting’*, Sagamihara (Japan), 22-24.02.2011
59. *‘Towards a Root of AGN Jets: Recent Progress’*, Mitaka (Japan), 14-15.12.2010
invited talk: ‘Large-Scale Jets & Lobes: High Energy Emission and Particle Acceleration’
58. *‘25th Texas Symposium on Relativistic Astrophysics’*, Heidelberg (Germany), 6-10.12.2010
invited talk: ‘On the Energy Spectra of GeV/TeV Cosmic Ray Leptons’
57. *‘Fall 2010 H.E.S.S. Collaboration Meeting’*, Stockholm (Sweden), 17-22.10.2010
56. *‘Cosmic Rays for Particle and Astroparticle Physics’*, Como (Italy), 7-8.10.2010
invited talk: ‘Particle Acceleration in Active Galactic Nuclei’
55. *‘Fall 2010 H.E.S.S. AGN Group Meeting’*, Paris (France), 28.09 - 1.10.2010
talk: ‘Active Galactic Nuclei in the Fermi Era’
54. *‘The Physical Society of Japan 2010 Autumn Meeting’*, Kyushu (Japan), 11-14.09.2010
invited talk: ‘Relativistic Jets and Active Galactic Nuclei in the Fermi Era’
53. *‘Fermi LAT Collaboration Meeting’*, Menlo Park (USA), 30.08 - 3.09.2010
talk: ‘Seyfert Galaxies in Gamma-rays. NGC 4151’
52. *‘38th COSPAR Scientific Assembly’*, Bremen (Germany), 18-25.07.2010
invited talks: ‘AGN Variability Across the Electromagnetic Spectrum and Spatial Scales’, and ‘Particle Acceleration in Relativistic Plasma: What Can We Learn From Next Generation IACTs?’
51. *‘The 2010 April Meeting of the American Physical Society’*, Washington DC (USA), 13-17.02.2010
invited talk: ‘Extended Lobes as Sources of High Energy Particles and Radiation’
50. *‘Acceleration & Emission Processes at High Energies’*, Meudon/Paris (France), 25-26.01.2010
invited talks: ‘Acceleration of Ultrarelativistic Electrons in AGN Jets’, and ‘Extended AGN Lobes and Ultrarelativistic Hadrons’
49. *‘215th American Astronomical Society Meeting’*, Washington DC (USA), 3-7.01.2010
invited talk: ‘Extragalactic Gamma-Ray Sources at Sub-millisecond Scales’
48. *‘Cosmological Implications of the Extragalactic Background Light’*, Menlo Park (USA), 15.12.2009
member of the Science Organizing Committee and Local Organizing Committee
talk: ‘Cosmological Evolution of Extragalactic Radio Sources’
47. *‘2009 Fermi Symposium’*, Washington DC (USA), 2-5.11.2009
invited talk: ‘Fermi AGN: Open Questions and Looking Forward’
46. *‘High Energy Phenomena in Relativistic Outflows II’*, Buenos Aires (Argentina), 26-30.10.2009
invited talk: ‘Multiwavelength Aspects of Relativistic Jets’
45. *‘Nonlinear Processes in Astrophysical Plasmas’*, Santa Barbara (USA), September 28.09 - 02.10.2009
invited talk: ‘Particle Acceleration in AGN Jets’
44. *‘34th Meeting of Polish Astronomical Society’*, Kraków (Poland), 14 - 18.09.2009
member of the Science Organizing Committee
invited talk: ‘Przyspieszanie cząstek w dżetach pozagalaktycznych’
43. *‘TeV Particle Astrophysics V’*, Menlo Park (USA), 13 - 17.07.2009
member of the Science Organizing Committee
invited talk: ‘Shock versus Stochastic Acceleration of Ultrarelativistic Particles in Active Galaxies’

42. *'Accretion and Ejection in AGN: A Global View?'*, Como (Italy), 22 - 26.06.2009
invited talk: 'Radio Quiet vs. Radio Loud AGN: What Makes the Difference?'
41. *'Physics of Relativistic Flows: An Observational View'*, Stockholm (Sweden), 1-2.06.2009
40. *'Kinetic Modeling of Astrophysical Plasmas'*, Cracow (Poland), 5 - 9.10.2008
invited talk: 'Particle Acceleration in Extragalactic Jets'
39. *'Fall 2007 H.E.S.S. Collaboration Meeting'*, Annecy (France), 15 - 18.09.2008
talks: 'M87 Radio Galaxy: Radio, Optical/UV, X-ray and TeV Emission', and 'Stochastic Acceleration of Ultrarelativistic Electrons'
38. *'SLAC Summer Institute: Cosmic Accelerators'*, Menlo Park (USA), 4 - 15.08.2008
37. *'Radio Galaxies in the Chandra Era'*, Cambridge (USA), 8 - 11.07.2008
invited talk: 'Role and Structure of the Magnetic Field in Extragalactic Jets'
36. *'The International Astroparticle Symposium: The High Energy Frontier'*, Golden (USA), 6 - 8.04.2008
talks: 'Stochastic Acceleration of Very High Energy Electrons', and 'TeV Blazars: New Insights from the H.E.S.S. Observatory'
35. *'Multiwavelength Views of the High Redshift Universe'*, Cape Town (South Africa), 17 - 20.03.2008
talk: 'H.E.S.S. Experiment and Blazars'
34. *'Toward the Future of Very High Energy Gamma-ray Astronomy'*, Menlo Park (USA), 8 - 9.11.2007
33. *'High Energy Phenomena in Relativistic Outflows'*, Dublin (Ireland), 24 - 28.09.2007
talk: 'Radio Loudness of AGNs: Host Galaxy Morphology and the Spin Paradigm'
32. *'33rd Meeting of Polish Astronomical Society'*, Kielce (Poland), 17 - 19.09.2007
invited talk: 'Emisja dżetów w galaktykach aktywnych'
31. *'Workshop on Astrophysics and Space Research'*, Serock (Poland), 27 - 30.06.2007
invited talk: 'Physics of Relativistic Jets in the Era of Modern High Energy Observatories'
30. *'2nd HelioMagnetism Workshop'*, Stanford (USA), 5.06.2007
member of the Science Organizing Committee and Local Organizing Committee
29. *'Extragalactic Jets: Theory and Observation from Radio to Gamma Ray'*, Girdwood (USA), 21 - 24.05.2007
talk: 'Radio Loudness of AGNs: Host Galaxy Morphology and the Spin Paradigm'
28. *'Spring 2007 H.E.S.S. Collaboration Meeting'*, Cracow (Poland), 18 - 22.04.2007
27. *'1st HelioMagnetism Workshop'*, Stanford (USA), 26.02.2007
member of the Science Organizing Committee and Local Organizing Committee
26. *'The First GLAST Symposium'*, Stanford (USA), 5 - 8.02.2007
25. *'9th Meeting of the AAS High Energy Astrophysics Division'*, San Francisco (USA), 4 - 7.10.2006
24. *'8th ENIGMA Meeting'*, Espoo (Finland), 5 - 8.09.2006
talk: 'Broad-Band Spectra of GPS/CSS Sources'
23. *'Challenges of Relativistic Jets'*, Cracow (Poland), 25.06 - 01.07.2006
member of the Science Organizing Committee and Local Organizing Committee
22. *'7th ENIGMA Meeting'*, Hydra (Greece), 8 - 10.05.2006
talks: 'High-Energy γ -ray Emission in M87 Radio Galaxy', and 'High-Energy γ -ray Emission in Centaurus A Radio Galaxy'
21. *'Spring 2006 H.E.S.S. Collaboration Meeting'*, Dublin (Ireland), 21 - 24.03.2006
20. *'6th ENIGMA Meeting'*, Kinsale (Ireland), 18 - 25.11.2005
talk: 'High Energy Emission in the Jets of M87 and Cen A'
19. *'The X-ray Universe 2005'*, El Escorial (Spain), 26 - 30.09.2005
18. *'Astrophysical Sources of High Energy Particles and Radiation'*, Toruń (Poland), 20 - 24.06.2005
invited talk: 'Radiative Processes In Extragalactic Large-Scale Jets'

17. *'3rd Granada Workshop on Relativistic Jet Physics'*, Granada (Spain), 21 - 23.04.2005
invited talk: 'Mutiwavelength Emission of Extragalactic Large-Scale Jets'
16. *'22nd Texas Symposium on Relativistic Astrophysics'*, Palo Alto (USA), 13 - 17.12.2004
15. *'International Symposium on High Energy γ -Ray Astronomy'*, Heidelberg (Germany), 26 - 30.07.2004
14. *'Growing Black Holes: Accretion in a Cosmological Context'*, Garching (Germany), 21 - 25.06.2004
13. *'Epiphany Conference On Astroparticle Physics'*, Cracow (Poland), 08 - 11.01.2004
12. *'Science with 5@5'*, Ringberg (Germany), 10 - 14.11.2003
invited talk: 'High Energy Radiation of Extragalactic Large-Scale Jets'
11. *'31th Meeting of Polish Astronomical Society'*, Toruń (Poland), 08 - 12.09.2003
invited talk: 'Promieniowanie wysokoenergetyczne wielkoskalowych dżetów'
10. *'28th International Cosmic Ray Conference'*, Tsukuba (Japan), 31.07 - 07.08.2003
9. *'Particle Acceleration in Astrophysical Objects'*, Cracow (Poland), 24 - 28.06.2003
member of the Local Organizing Committee
8. *'Multifrequency Behavior of High Energy Cosmic Sources'*, Vulcano (Italy), 26 - 31.05.2003
invited talk: 'Multifrequency Radiation of Extragalactic Large-Scale Jets'
7. *'The Physics of Relativistic Jets in the Chandra and XMM Era'*, Bologna (Italy), 23 - 27.09.2002
talk: 'A Role of the Boundary Shear Layer in Modeling the Jet Emission'
6. *'The Unsolved Universe: Challenges for the Future'*, Porto (Portugal), 2 - 7.09.2002
5. *'High Energy Processes and Phenomena in Astrophysics'*, Suzhou (China), 5 - 10.08.2002
talk: 'High Energy Radiation of Stratified Large Scale Jets'
4. *'New Vision of the X-ray Universe'*, Noordwijk (Holland), 26 - 30.11.2001
3. *'30th Meeting of Polish Astronomical Society'*, Cracow (Poland), 10 - 13.09.2001
member of the Local Organizing Committee
2. *'Elizabeth and Frederick White Workshop on AGN Variability'*, Sydney (Australia), 25 - 29.06.2001
talk: 'High Energy Radiation Generated at a Boundary Layer of Relativistic Jet'
1. *'18th Jerusalem Winter School in Theoretical Physics on Cosmic Explosions'*, Jerusalem (Israel), 27.12.2000 - 05.01.2001

ACCEPTED OBSERVATIONAL PROGRAMS

73. *'Young Radio Sources at High Redshift'*
Chandra X-ray Observatory, 2017 (PI: A. Siemiginowska)
72. *'Keeping Tabs on the Unique Jet in M87 During Cycle 19'*
Chandra X-ray Observatory, 2017 (PI: C.C. Cheung)
71. *'Optical circular polarization variability study of BL Lac object S5 0716+714'*
Subaru Telescope, 2017 (PI: R. Itoh)
70. *'Optical circular polarization variability study of blazar 3C 279'*
European Organisation for Astronomical Research in the Southern Hemisphere, 2016 (PI: A. Goyal)
69. *'The Extended GeV Emission fo Cen A: The Extragalactic Background Light in Disguise?'*
Fermi Guest Investigator Program, 2016 (PI: M. Georganopoulos)
68. *'The Physics of the Jets of Powerful Radio Galaxies and Quasars'*
Hubble Space Telescope, 2014 (PI: E. Perlman)
67. *'Optical spectroscopy of J1943+213 blazar candidate'*
Subaru Telescope, 2016 (PI: Y.T. Tanaka)
66. *'Detection of J1943+213 Optical Counterpart'*
William Herschel Telescope, 2016 (PI: N. Żywucka)

65. *'Low-frequency Radio Observations of a Hybrid Blazar'*
Giant Metrewave Radio Telescope, 2016 (PI: U. Pajdosz)
64. *'Pioneering Hard X-ray band Observations of Young Radio Sources with NuSTAR'*
NuSTAR, 2016 (PI: A. Siemiginowska)
63. *'Search For Host Galaxies of Peculiar Radio Sources in Abell 585 and 2289'*
William Herschel Telescope, 2016 (PI: A. Goyal)
62. *'Compton Thick Nature of Young Radio Sources'*
XMM-Newton, 2015 (PI: A. Siemiginowska)
61. *'A Detailed View of an Extended X-ray Bright, Radio Faint Black Hole Jet at Redshift 2.5'*
Chandra X-ray Observatory, 2015 (PI: A. Simionescu)
60. *'Low-frequency Radio Observations of A Peculiar Radio Structures in the Galaxy Cluster Abell 585'*
Giant Metrewave Radio Telescope, 2014 (PI: M. Jamroz)
59. *'Low-frequency Radio Observations of a Hybrid Blazar'*
Giant Metrewave Radio Telescope, 2014 (PI: U. Pajdosz)
58. *'EVN Observations of the Extreme Blazar Candidate HESS J1943+213'*
European VLBI Network, 2014 (PI: K. Akiyama)
57. *'An X-ray View of Peculiar Radio Tails Lacking Optical Counterparts in Abell 585'*
Chandra X-ray Observatory, 2014 (PI: A. Simionescu)
56. *'Intermittent Outbursts in CGCG 292-057: Jet Duty Cycle and Jet-ISM Interactions'*
Chandra X-ray Observatory, 2014 (PI: C.C. Cheung)
55. *'Keeping Tabs on the Unique Jet in M87 During Cycle 16'*
Chandra X-ray Observatory, 2014 (PI: D.E. Harris)
54. *'Triggering Chandra to Detect an X-ray Counterpart to TeV Flaring from M87 During Cycle 16'*
Chandra X-ray Observatory, 2014 (PI: D.E. Harris)
53. *'The Physics of the Jets of Powerful Radio Galaxies and Quasars'*
Hubble Space Telescope, 2014 (PI: E. Perlman)
52. *'Probing the Intra-night Optical Variability of Blazars Through Flux and Polarization Studies'*
KANATA Telescope, 2014 (PI: A. Goyal)
51. *'Fermi-LAT FRI Radio Galaxies and Hard X-ray Selected BLRGs - 2013 Update'*
H.E.S.S.-II Imaging Atmospheric Cherenkov Telescope, 2013 (PI: R. Moderski)
50. *'HESS-II Observations of the LAT-detected Circinus Galaxy'*
H.E.S.S.-II Imaging Atmospheric Cherenkov Telescope, 2013 (PI: **L. Stawarz**)
49. *'Triggering Chandra to Detect an X-ray Counterpart to TeV Flaring from M87 During Cycle 15'*
Chandra X-ray Observatory, 2013 (PI: D.E. Harris)
48. *'Keeping Tabs on the Unique Jet in M87 During Cycle 15'*
Chandra X-ray Observatory, 2013 (PI: D.E. Harris)
47. *'Powerful Radio Galaxies in Rich Clusters'*
Chandra X-ray Observatory, 2013 (PI: M.J. Hardcastle)
46. *'Deep Chandra Imaging of Two Youngest Radio Sources'*
Chandra X-ray Observatory, 2013 (PI: A. Siemiginowska)
45. *'TeV Flaring from M87: Triggering Chandra to Detect an X-ray Counterpart'*
Chandra X-ray Observatory, 2012 (PI: D.E. Harris)
44. *'Optimized Monitoring of the Nucleus and Jet of M87'*
Chandra X-ray Observatory, 2012 (PI: D.E. Harris)
43. *'Studying Giant Filamentary Lobes of Centaurus A'*
Chandra X-ray Observatory, 2012 (PI: Y. Tanaka)

42. ‘*Studying Giant Filamentary Lobes in the Centaurus A System with Suzaku*’
Suzaku X-ray Satellite, 2012 (PI: **L. Stawarz**)
41. ‘*Suzaku Observations of Giant Radio Galaxy 3C 236*’
Suzaku X-ray Satellite, 2012 (PI: N. Isobe)
40. ‘*Suzaku Observation of Galactic Gamma-ray Bubble*’
Suzaku X-ray Satellite, 2012 (PI: J. Kataoka)
39. ‘*Fermi-LAT FRI Radio Galaxies at Very High Energies*’
H.E.S.S. Imaging Atmospheric Cherenkov Telescope, 2012 (PI: R. Moderski)
38. ‘*Hard X-ray Selected Broad Line Radio Galaxies*’
H.E.S.S. Imaging Atmospheric Cherenkov Telescope, 2012 (PI: R. Moderski)
37. ‘*Studying the M87 Quiescence State and Monitoring for VHE Flares with H.E.S.S. in 2012*’
H.E.S.S. Imaging Atmospheric Cherenkov Telescope, 2012 (PI: M. Raue)
36. ‘*Variability and Particle Acceleration in the Jet of Pictor A*’
Chandra X-ray Observatory, 2011 (PI: M.J. Hardcastle)
35. ‘*Resumption of Monitoring the M87 Jet*’
Chandra X-ray Observatory, 2011 (PI: D.E. Harris)
34. ‘*Investigation of the $N_H - N_{HI}$ Connection in Compact Radio Galaxies*’
Westerbork Synthesis Radio Telescope (WSRT), 2011 (PI: L. Ostorero)
33. ‘*Low-frequency Radio Observations of a Newly Discovered TeV-emitting BL Lac Object*’
Giant Metrewave Radio Telescope, 2011 (PI: M. Ostrowski)
32. ‘*Peculiar Unidentified TeV Source HESS J1943+213 in the Galactic Plane*’
Suzaku X-ray Satellite, 2011 (PI: **L. Stawarz**)
31. ‘*Search for New Class of Gamma-Ray Emitters by X-ray Identification of Bright Infrared-Selected Fermi unID Sources*’
Suzaku X-ray Satellite, 2011 (PI: M. Ohno)
30. ‘*Suzaku Imaging of the Lobes in Radio Galaxy Centaurus B*’
Suzaku X-ray Satellite, 2011 (PI: Y.T. Tanaka)
29. ‘*Suzaku Observations of Seyfert Galaxies as γ -ray Source Candidates*’
Suzaku X-ray Satellite, 2011 (PI: M. Hayashida)
28. ‘*Suzaku Observations of “Gamma-ray Lobe” in Radio Galaxy NGC 6251*’
Suzaku X-ray Satellite, 2011 (PI: J. Kataoka)
27. ‘*Hard X-ray Emission and Reflection in Radio Galaxies: 3C 98*’
Suzaku X-ray Satellite, 2011 (PI: P. Gandhi)
26. ‘*Hard X-ray Selected Broad Line Radio Galaxies: 3C 120 and 3C 445*’
H.E.S.S. Imaging Atmospheric Cherenkov Telescope, 2010 (PI: **L. Stawarz**)
25. ‘*X-Ray Properties of the Youngest Radio Sources*’
Chandra X-ray Observatory, 2010 (PI: A. Siemiginowska)
24. ‘*Where is the Site of TeV Flaring in M87?*’
Chandra X-ray Observatory, 2010 (PI: D.E. Harris)
23. ‘*Gamma-Ray Emission from Young Radio Sources*’
Fermi Guest Investigator Program, 2010 (PI: A. Siemiginowska)
22. ‘*Suzaku Observations of Diffuse Emission From Lobes of Radio Galaxy Cen A*’
Suzaku X-ray Satellite, 2010 (PI: G. Madejski)
21. ‘*ATCA Follow-up of a Fermi γ -ray Source Associated with a Resolved Radio Source*’
Australia Telescope Compact Array, 2010 (PI: G. Dubus)
20. ‘*Powerful Radio Sources in the Centers of Nearby Clusters*’
Chandra X-ray Observatory, 2009 (PI: **L. Stawarz**)

19. *'The X-ray — TeV Connection in M 87'*
Chandra X-ray Observatory, 2009 (PI: D.E. Harris)
18. *'Chandra ToO Observations of Flaring Fermi Blazars'*
Chandra X-ray Observatory, 2009 (PI: G. Madejski)
17. *'Variability and Particle Acceleration in the Jet of Pictor A'*
Chandra X-ray Observatory, 2009 (PI: M.J. Hardcastle)
16. *'Deep Imaging of Jet-ISM Interactions in a Restarting Radio Galaxy 4C 29.30'*
Chandra X-ray Observatory, 2009 (PI: A. Siemiginowska)
15. *'Submillimeter Spectra of Young Radio Sources'*
Submillimeter Array (SMA), 2009 (PI: A. Siemiginowska)
14. *'SWIFT Monitoring Observations of Fermi GST γ -ray Blazars'*
Swift Gamma-Ray Burst Mission, 2009 (PI: G. Madejski)
13. *'Investigation of the $N_H - N_{HI}$ Connection in GPS Radio Galaxies'*
Westerbork Synthesis Radio Telescope (WSRT), 2009 (PI: R. Morganti)
12. *'Using Chandra to Understand the TeV Emission from M 87'*
Chandra X-ray Observatory, 2008 (PI: D.E. Harris)
11. *'VLBA Imaging of a Hard X-ray Selected Radio Galaxy Sample for GLAST Studies'*
Very Long Baseline Array (VLBA), 2008 (PI: C.C. Cheung)
10. *'X-ray Environment of Radio Galaxy 4C 29.30'*
XMM-Newton, 2008 (PI: A. Siemiginowska)
9. *'Testing the External-Radiation-Comptel Model for Blazars'*
International Gamma-Ray Astrophysics Laboratory (INTEGRAL), 2007 (PI: R. Moderski)
8. *'Low-Frequency Observations of 3C 123'*
Giant Metrewave Radio Telescope, 2007 (PI: M. Jamrozy)
7. *'X-ray Jets and Lobe-Cluster Interaction in 3C 353'*
Chandra X-ray Observatory, 2006 (PI: J. Kataoka)
6. *'Chandra Imaging of the Highest Redshift Relativistic Jets'*
Chandra X-ray Observatory, 2006 (PI: C.C. Cheung)
5. *'Fossil Radio Lobes Associated with Currently Active Radio Galaxy 4C 29.30'*
Very Large Array Radio Observatory (VLA), 2005 (PI: M. Jamrozy)
4. *'Studying the Complexity of Centaurus A in Very High Energy γ -Rays'*
H.E.S.S. Imaging Atmospheric Cherenkov Telescope, 2005-2008 (PI: F.A. Aharonian)
3. *'The Long X-ray Jet of Quasar 4C 19.44'*
Chandra X-ray Observatory, 2005 (PI: D.E. Harris)
2. *'Physics of the Hotspots and Jets in the Powerful Radio Galaxy Cygnus A'*
Spitzer Space Telescope, 2005 (PI: D.E. Harris)
1. *'Deep Imaging of the 300 kpc X-ray Jet in the $z = 1.18$ Quasar PKS 1127-145'*
Chandra X-ray Observatory, 2004 (PI: A. Siemiginowska)

LIST OF PUBLICATIONS

total refereed publications = 270; total citations = 13,435; H-index = 61
(as of November 2017, accordingly to the SAO/NASA Astrophysics Data System [ADS])

A. REGULAR REFEREED PUBLICATIONS

- A112. Goyal, A., **Stawarz, L.**, Zola, S., Marchenko, V., Soida, M., Nilsson, K., Ciprini, S., et al.
‘Stochastic modeling of multiwavelength variability of the classical BL Lac object OJ 287 on timescales ranging from decades to hours’
2017, the Astrophysical Journal, submitted (arXiv:1709.04457)
- A111. Ostorero, L., Morganti, R., Diaferio, A., Siemiginowska, A., **Stawarz, L.**, Moderski, R., & Labiano, A.
‘Correlation Between X-ray and Radio Absorption in Compact Radio Galaxies’
2017, the Astrophysical Journal, 849, 34
- A110. Harris, D.E. Lee, N.P., Schwartz, D.A., Siemiginowska, A., Massaro, F., Birkinshaw, M., Worrall, D.M., Cheung, C.C., Gelbord, J.M., Jorstad, S.G., Marscher, A.P., Landt, H., Marshall, H., Perlman, E.S., **Stawarz, L.**, Uchiyama, Y., & Urry, C.M.
‘A Multi-band Study of the Remarkable Jet in Quasar 4C+19.44’
2017, the Astrophysical Journal, 846, 119
- A109. Marchenko, V., Harris, D.E., Ostrowski, M., **Stawarz, L.**, Bohdan, A., Jamroz, M., & Hnatyk, B.
‘Novel Analysis of the Multiwavelength Structure of Relativistic Jet in Quasar 3C 273’
2017, the Astrophysical Journal, 844, 11
- A108. Masters, A., Sulaiman, A.H., **Stawarz, L.**, Reville, B., Sergis, N., Fujimoto, M., Burgess, D., Coates, A.J., & Dougherty, M. K.
‘An In Situ Comparison of Electron Acceleration at Collisionless Shocks Under Differing Upstream Magnetic Field Orientations’
2017, the Astrophysical Journal, 843, 147
- A107. Tombesi, F., Mushotzky, R.F., Reynolds, C.S., Kallman, T., Reeves, J.N., Braito, V., Ueda, Y., Leutenegger, M.A., Williams, B.J., **Stawarz, L.**, & Cappi, M.
‘Feeding and Feedback in the Powerful Radio Galaxy 3C 120’
2017, the Astrophysical Journal, 838, 16
- A106. Goyal, A., **Stawarz, L.**, Ostrowski, M., Larionov, V., Gopal-Krishna, Wiita, P.J., Joshi, S., Soida, M., & Agudo, I.
‘Multi-wavelength variability study of the classical BL Lac object PKS 0735+178 on timescales ranging from decades to minutes’
2017, the Astrophysical Journal, 837, 127
- A105. McKeough, K., Siemiginowska, A., Cheung, C.C., **Stawarz, L.**, Kashyap, V.L., Stein, N., Stampoulis, V., van Dyk, D.A., Wardle, J. F. C., Lee, N. P., Harris, D.E., Schwartz, D.A., Donato, D., Maraschi, L., & Tavecchio, F.
‘Detecting Relativistic X-ray Jets in High-redshift Quasars’
2016, the Astrophysical Journal, 833, 123
- A104. Bhatta, G., Zola, S., **Stawarz, L.**, Ostrowski, M., Winiarski, M., Ogloza, W., Drózd, M., Siwak, M., Liakos, A., Koziel-Wierzbowska, D., Gazeas, K., Debski, B., Kundera, T., Stachowski, G., & Paliya, V.S.
‘Detection of Possible Quasi-periodic Oscillations in the Long-term Optical Light Curve of the BL Lac Object OJ 287’
2016, the Astrophysical Journal, 832, 47
- A103. Bhatta, G., **Stawarz, L.**, Ostrowski, M., Markowitz, A., Akitaya, H., et al.
‘Multifrequency Photo-polarimetric WEBT Observation Campaign on the Blazar S5 0716+714: Source Microvariability and Search for Characteristic Timescales’
2016, the Astrophysical Journal, 831, 92

- A102. Goyal, A., **Stawarz, L.**, Ostrowski, M., & Larionov, V.
'Radio-to- γ -ray, broadband variability study of the classical BL Lac object PKS+0735+178'
 2016, *Galaxies*, 4, 42
- A101. Machalski, J., Jamrozy, M., **Stawarz, L.**, & Weżgowiec, M.
'Dynamical analysis of the complex radio structure in 3C 293: Clues on a rapid jet realignment in X-shaped radio galaxies'
 2016, *Astronomy & Astrophysics*, 595, 46
- A100. Kataoka, J., & **Stawarz, L.**
'Inverse Compton X-ray Emission from TeV blazar Mrk 421 During a Historical Low-Flux State Observed with NuSTAR'
 2016, *the Astrophysical Journal*, 827, 55
- A99. Cheung, C.C., Jean, P., Shore, S.N., Corbet, R.H.D., Knödlseeder, J., Starrfield, S., **Stawarz, L.**, Wood, D.L., Desiante, R., Longo, F., Pivato, G., & Wood, K.S.
'Fermi LAT Gamma-ray Detections of Classical Novae V1369 Cen 2013 and V5668 Sag 2015'
 2016, *the Astrophysical Journal*, 826, 142
- A98. Masters, A., Sulaiman, A.H., Fujimoto, M., **Stawarz, L.**, Sergis, N., Coates, A.J., & Dougherty, M.
'Superthermal Electrons at Saturn's Bow Shock'
 2016, *the Astrophysical Journal*, 826, 48
- A97. Akiyama, K., **Stawarz, L.**, Tanaka, Y.T., Nagai, H., Giroletti, M., & Honma, M.
'EVN Observations of HESS J1943+213: Evidence for an Extreme TeV BL Lac Object'
 2016, *the Astrophysical Journal Letters*, 823, L26
- A96. Siemiginowska, A., Sobolewska, M., Migliori, G., Guainazzi, M., Hardcastle, M., Ostorero, L., & **Stawarz, L.**
'High Energy Radiation of the Youngest Radio Sources and Their Environments'
 2016, *the Astrophysical Journal*, 823, 57
- A95. Migliori, G., Siemiginowska, A., Sobolewska, M., Loh, A., Corbel, S., Ostorero, L., & **Stawarz, L.**
'First Detection in Gamma-rays of a Young Radio Galaxy: Fermi-LAT Observations of the Compact Symmetric Object PKS 1718-649'
 2016, *the Astrophysical Journal Letters*, 821, L31
- A94. Hardcastle, M.J., Lenc, E., Birkinshaw, M., Croston, J.H., Goodger, J.L., Marshall, H.L., Siemiginowska, A., **Stawarz, L.**, & Worrall, D.M.
'Deep Chandra Observations of Pictor A'
 2016, *Monthly Notices of the Royal Astronomical Society*, 455, 3526
- A93. Ostorero, L., Morganti, R., Diaferio, A., Siemiginowska, A., **Stawarz, L.**, Moderski, R., & Labiano, A.
' $N_{\text{H}} - N_{\text{HI}}$ Correlation in Gigahertz-peaked-spectrum Galaxies'
 2016, *Astronomische Nachrichten*, 337, 148
- A92. Simionescu, A., **Stawarz, L.**, Ichinohe, Y., Cheung, C.C., Jamrozy, M., Siemiginowska, A., Hagino, K., Gandhi, P., & Werner, N.
'Serendipitous Discovery of an Extended X-ray Jet Without a Radio Counterpart in a High-redshift Quasar'
 2016, *the Astrophysical Journal Letters*, 816, L15
- A91. Bhatta, G., Goyal, A., Ostrowski, M., **Stawarz, L.**, Arkharov, A.A., Akitaya, H., Bachev, R., Benitez, E., Borman, G.A., Carosati, D., Cason, A., Damjanovic, G., Dhalla, S., Frasca, A., et al.
'Discovery of a Highly Polarized Optical Microflare in the Blazar S5 0716+714 During the 2014 WEBT Campaign'
 2015, *the Astrophysical Journal Letters*, 809, L27
- A90. Saito, S., **Stawarz, L.**, Tanaka, Y.T., Takahashi, T., Sikora, M., & Moderski, R.
'Time-dependent Modeling of γ -ray Flares in Blazar PKS 1510-089'
 2015, *the Astrophysical Journal*, 809, 171

- A89. Hagino, K., **Stawarz, L.**, Siemiginowska, A., Cheung, C.C., Koziel-Wierzbowska, D., Szostek, A., Madejski, G., Harris, D.E., Simionescu, A., & Takahashi, T.
‘On the Merger Cluster Abell 578 and Its Central Radio Galaxy 4C+67.13’
 2015, the Astrophysical Journal, 805, 101
- A88. Agudo, I., Böttcher, M., Falcke, H., Georganopoulos, M., Ghisellini, G., Giovannini, G., Giroletti, M., Gomez, J.-L., Gurvits, L., Laing, R., Lister, M., Marti, J.-M., Meyer, E.T., Mizuno, Y., O’Sullivan, S., Padovani, P., Paragi, Z., Perucho, M., Schleicher, D., **Stawarz, L.**, Vlahakis, N., & Wardle, J.
‘Studies of Relativistic Jets in Active Galactic Nuclei with SKA’
 2015, Proceedings of Advancing Astrophysics with the Square Kilometre Array (AASKA14), id.93
- A87. Tanaka, Y.T., Doi, A., Inoue, Y., Cheung, C.C., **Stawarz, L.**, Fukazawa, Y., Gurwell, M.A., Tahara, M., Kataoka, J., & Itoh, R.
‘Six-years of Fermi-LAT and Multi-wavelength Monitoring of the Broad Line Radio Galaxy 3C 120: Jet Dissipation at Sub-parsec scales from the Central Engine’
 2015, the Astrophysical Journal Letters, 2015, 799, L18
- A86. Müller, C., Krauss, F., Dauser, T., Kreikenbohm, A., Beuchert, T., Kadler, M., Ojha, R., Wilms, J., Böck, M., Carpenter, B., Dutka, M., Markowitz, A., McConville, W., Pottschmidt, K., **Stawarz, L.**, & Taylor, G.B.
‘A Redshifted Fe K α Line from the Unusual γ -ray Source PMN J1603–4904’
 2015, Astronomy & Astrophysics, 574, 117
- A85. Fukazawa, Y., Finke, J., **Stawarz, L.**, Tanaka, Y.T., Itoh, R., & Tokuda, S.
‘Suzaku Observations of γ -Ray Bright Radio Galaxies: Origin of the X-ray Emission and Broad-Band Modeling’
 2015, the Astrophysical Journal, ApJ, 798, 74
- A84. Wiercholska, A., Ostrowski, M., **Stawarz, L.**, & Wagner, S.
‘Longterm Optical Monitoring of Bright BL Lacertae Objects with ATOM: Spectral Variability and Multiwavelength Correlations’
 2015, Astronomy & Astrophysics, A&A, 573, 69
- A83. **Stawarz, L.**, Szostek, A., Cheung, C.C., Siemiginowska, A., Koziel-Wierzbowska, D., Werner, N., Simionescu, A., Madejski, G., Begelman, M.C., Harris, D.E., Ostrowski, M., & Hagino, K.
‘On the Interaction of the PKS B1358–113 Radio Galaxy with the Abell 1836 Cluster’
 2014, the Astrophysical Journal, 794, 164
- A82. Tanaka, M., Morokuma, T., Itoh, R., Akitaya, H., Tominaga, N., Saito, Y., **Stawarz, L.**, et al.
‘Discovery of Dramatic Optical Variability in SDSS J1100+442: A Peculiar Radio-Loud Narrow-Line Seyfert 1 Galaxy?’
 2014, the Astrophysical Journal Letters, 2014, 793, 26
- A81. Zdziarski, A.A., Pjanka, P., Sikora, M., & **Stawarz, L.**,
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