

# CURRICULUM VITAE

## CONTACT

names and surname: **Lukasz Filip Stawarz**  
mailing address: Astronomical Observatory of the Jagiellonian University  
ul. Orla 171, 30-244 Kraków, Poland  
tel/fax: +48-(0)12-6238-620/+48-(0)12-425-1318  
e-mail: [stawarz@oa.uj.edu.pl](mailto:stawarz@oa.uj.edu.pl)  
[Lukasz.1.Stawarz@uj.edu.pl](mailto:Lukasz.1.Stawarz@uj.edu.pl)

## 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

- 10/2017– ——— **Head of the Department of High Energy Astrophysics** at the Astronomical Observatory of the Jagiellonian University.
- 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 Doctoral studies 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 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 & SCIENCE COMMUNICATION

- Featured in the popular science TV program “*Astronarium 120: Promieniowanie kosmiczne*” (16.05.2021) <https://www.youtube.com/watch?v=QV6ZbbbV6rY>
- Popular science lecture “*Supermasywne czarne dziury: jak je zobaczyć i zważyć*” (23.10.2018) (for the open lecture cycle “*Bliżej Nauki*” organized by the Jagiellonian University) <https://www.youtube.com/watch?v=7keKGFQeYkQ>
- Featured in the popular science TV program “*Astronarium 48: Pierwsza kilonowa*” (25.11.2017) <https://www.youtube.com/watch?v=anyJW7u1Euw>
- Press conference of the Polish Academy of Sciences ‘*Nowe przełomowe odkrycia w astronomii fal grawitacyjnych*’ (16.10.2017)
- Featured in the art & popular science radio program “*#Sztukanauka*” (01.09.2017) <http://www.radiokrakow.pl/audycje/sztukanauka/audycja-z-1092017-r/>
- Featured in the popular science TV program “*Astronarium 40: Project CTA*” (10.08.2017) <https://www.youtube.com/watch?v=gkouvwGFfGM>
- 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 & MENTORING EXPERIENCE

- **Ph.D. Dissertation supervision** in the Astronomical Observatory UJ (defence dates: Jul 2021; Oct 2021; Oct 2022; Dec 2022)
- **Bachelor’s Thesis supervision** in the Astronomical Observatory UJ (defence date: Sep 2020)
- Mentoring the **ERASMUS exchange student** in the Astronomical Observatory UJ (2019)
- Lecturer for the ‘*Cracow School of Theoretical Physics, LIX Course*’ (2019)
- **Master Thesis supervision** in the Astronomical Observatory UJ (defence date: Sep 2018)
- Lecturer for the ‘*4th Cosmology Cracow School*’ (2018)
- Mentoring the **Fulbright U.S. Researcher** in the Astronomical Observatory UJ (2017/18)
- Supervising participants of the International Summer Student Internships (ISSI) Programme for Astronomy and Physics Students in the Astronomical Observatory UJ (2016, 2017)
- Lectures for the Ph.D. and M.Sc. students in the Astronomical Observatory UJ (including “*Selected Topics In High Energy Astrophysics*”, “*Introduction to High Energy Astrophysics*”, and “*Radiative Processes*”; since 2015)
- **Auxiliary supervisor of the Ph.D. Dissertation** at the Department of Physics, Graduate School of Science, The University of Tokyo (principal supervisor: Tadayuki Takahashi; Dec 2013)
- Lecturer during the NASA’s Fermi Summer School 2013 (Lewes DE, USA; 2013)

## OTHER ACADEMIC DUTIES

- Representative from the Jagiellonian University in the Institutional Board of the Hyper-KAMIOKANDE Collaboration (since 2020).
- Reviewer in the Committee on the Doctoral Degree, Nicolaus Copernicus Astronomical Center Polish Academy of Sciences, Warszawa; 12/2022.
- Member of the Committee on the Habilitation Degree, Jagiellonian University, Kraków; 01/2020.
- Member (VP) of the “Rada Dyscypliny Astronomia”, Jagiellonian University (since 2019).
- Reviewer in the Committee on the Habilitation Degree, University of Łódź, Łódź; 02/2019.
- Member of the Committees on the Bachelor Degree, Jagiellonian University, Kraków; 07/2018.
- Member of the Committees on the Doctoral Degree, Jagiellonian University, Kraków; 06/2017, 11/2017, 09/2018, 12/2018, 02/2018, 05/2019, 05/2019, 04/2021, 07/2021, 10/2021, 10/2022, 11/2022, 12/2022.
- Member of the Committee on the Habilitation Degree, Institute of Nuclear Physics PAS, Kraków; 03/2017.
- In charge of the ‘*Astronomy Seminar Series*’ in the Astronomical Observatory UJ (2016–2021).
- In charge of the ‘*Astronomy Seminar Series*’ at the Stanford University (2007–2009).

## GROUPS, NETWORKS & COLLABORATIONS

- Member of the **Hyper-KAMIOKANDE** Collaboration; since 2019.
- Member of the **International Astronomical Union (IAU)**; since 2018.
- Member of the Commission on Astrophysics of the **Polish Academy of Arts and Science**; since 2017.
- Science member of the **ATHENA** Team (future space X-ray mission selected by ESA); since 2015.
- Science member of the **Hitomi** Team (New Exploration X-ray Telescope); 2010–2016.
- 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); since 2009.
- 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 (PTA)**; 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.
- 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 Harvard-Smithsonian CfA 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 Harvard-Smithsonian Center for Astrophysics in ‘*Chandra X-ray Center Cycle 9 Peer Review*’; 2007.

## RESEARCH GRANTS

- Program MEN “Wsparcie udziału polskich zespołów naukowych w międzynarodowych projektach infrastruktury badawczej” – Umowa Nr 2022/WK/15 ‘*Hyper-Kamiokande*’ (PI UJ: **L. Stawarz**); 2022–2027 (60 months; currently ongoing).
- NSC grant PRELUDIUM-BIS 2019/35/O/ST9/04054 ‘*Badanie ewolucji czarnych dziur i ich relatywistycznych wypływów w układach astrofizycznych: od kolapsujących masywnych gwiazd do galaktyk aktywnych*’ (PI: **L. Stawarz**); 2020–2024 (48 months; currently ongoing).
- European Commission grant H2020-MSCA-RISE 2019 872549-SK2HK ‘*From Super-Kamiokande to Hyper-Kamiokande*’ (PI UJ: K. Zietara); 2019–2023 (48 months; currently ongoing).  
MNiSW grant “Premia na Horyzoncie 2” 488140/PNH2/2020; 2020–2024.
- 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: **L. Stawarz**); 2017–2023 (60+12 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 EM, od fal radiowych do wysokoenergetycznego promieniowania  $\gamma$* ’ (PI: M. Ostrowski); 2012–2017 (60 months).
- NCN grant DPN/N43/HES-MAGIC/2010 ‘*Obserwacje wysokoenergetycznych źródeł astrofizycznych w ramach 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 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: **L. 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).

### SCIENTIFIC INTERESTS

- i) particle acceleration and propagation in astrophysical and space plasma;
- ii) cosmological evolution of supermassive black holes and active galactic nuclei;
- iii) physics of relativistic jets in active galaxies;
- iv) radiative processes in various astrophysical environments;
- v) astrophysical sources of high-energy emission and particles.

### SEMINAR PRESENTATIONS

- at the Institute of Astronomy, The University of Wrocław, Poland (11/2020)
- 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, 03/2018)
- 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 Universitaet 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, 01/2019)

## CONFERENCES, SYMPOSIA & WORKSHOPS

120. *‘Nicolaus Copernicus World Congress’*, Toruń (Poland), 19-21.02.2023  
**invited talk:** ‘Jet Activity of Supermassive Black Holes’
119. *‘Particle Astrophysics in Poland’*, Kraków (Poland), 13-16.02.2023  
**member of the Science Organizing Committee and the Local Organizing Committee**  
**invited talk:** ‘Electron Acceleration at Relativistic Shocks’
118. *‘Polish-German Heraeus-Seminar: The Variable Multi-Messenger Sky’*, Kraków (Poland), 7-10.11.2022  
**member of the Science Organizing Committee**  
**invited talk:** ‘Constraining Particle Acceleration by The Variability Analysis of Relativistic Jets’
117. *‘XXVII Cracow Epiphany Conference’*, Kraków (Poland), 10-14.01.2022  
**invited talk:** ‘Some Recent Observational Constraints on the Magnetization and Energy Dissipation in AGN Jets’
116. *‘XL Polish Astronomical Society Meeting’*, Szczecin (Poland), 13-17.09.2021  
**invited talk:** ‘High-Energy View on Evolving Galaxies and Their Nuclei’
115. *‘Cracow School of Theoretical Physics, LIX Course, 2019’*, Zakopane (Poland), 14-22.06.2019  
**invited lectures:** ‘Measuring the masses and spins of astrophysical black holes’, ‘Multi-wavelength variability of relativistic jets: all the colors of noise’
114. *‘Particle Astrophysics in Poland’*, Warszawa (Poland), 20-21.05.2019  
**talk:** ‘MeV Space Observatories’
113. *‘Spring 2019 H.E.S.S. Collaboration Meeting’*, Kraków (Poland), 15-18.04.2019  
**invited talk:** ‘Particle Acceleration in Blazar Sources’
112. *‘LSST-PL Meeting I’*, Warszawa (Poland), 14.03.2019  
**talk:** ‘Cosmological Evolution of the Radio-loudness of Quasar Sources’
111. *‘4th Cosmology School 2018’*, Kraków (Poland), 08-22.07.2018  
**invited lectures:** ‘Cosmological evolution of radio-loud Active Galactic Nuclei’, ‘Impact of evolving radio galaxies on their environment: from interstellar medium to galaxy groups and clusters’
110. *‘CTA-PL Meeting’*, Kraków (Poland), 16-17.04.2018  
**talk:** ‘Monitoring of Bright TeV Blazars’ and ‘New Classes of Extragalactic Gamma-ray Sources’
109. *‘H.E.S.S. Extragalactic F2F Meeting 2018’*, Kraków (Poland), 31.01 - 02.02.2018  
**talk:** ‘Blazar modeling and variability power spectra’
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  $\gamma$ -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  $\gamma$ -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  $\gamma$ -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 -  $\gamma$ -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:** 'M 87 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  $\gamma$ -ray Emission in M87 Radio Galaxy', and 'High-Energy  $\gamma$ -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:** 'Multiwavelength 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  $\gamma$ -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

85. *'Rendez-vous after 20 years with a  $z \sim 4$  X-ray jet'*  
Chandra X-ray Observatory, 2022 (PI: A. Siemiginowska)
84. *'The origin of X-ray emission of the gamma-ray loud, young radio galaxy NGC3894'*  
XMM-Newton, 2021 (PI: G. Migliori)
83. *'A Compton-Thick Quasar in the High-Redshift Universe'*  
XMM-Newton, 2021 (PI: B. Snios)
82. *'Swift-XRT Observation of DC314.8-5.1'*  
Swift's X-Ray Telescope, 2021 (PI: E. Kosmaczewski)
81. *'Extended X-ray Emission Around a Young AGN Jet'*  
Chandra X-ray Observatory, 2021 (PI: M. Sobolewska)
80. *'X-ray Study of a Young Radio Galaxy at  $z = 4.5$ '*  
Chandra X-ray Observatory, 2020 (PI: A. Siemiginowska)
79. *'Optical circular polarization variability study of the blazars CTA,102 and AO,0235+16'*  
European Organisation for Astronomical Research in the Southern Hemisphere, 2019 (PI: A. Goyal)
78. *'Young Radio Sources at High Redshift - part 2'*  
Chandra X-ray Observatory, 2019 (PI: A. Siemiginowska)
77. *'Exotic Quasars at the Highest Redshift'*  
XMM-Newton, 2019 (PI: B. Snios)
76. *'Monitoring of Mkn 421: Short-timescale Interband Variability and Jet Microphysics'*  
AstroSAT/WEBT/FACT, 2018 (PI: A. Markowitz)
75. *'Magnetic field and emission mechanism in relativistic jets on sub-pc and kpc scales'*  
Atacama Large Millimeter/submillimeter Array (ALMA), 2018 (PI: T. Hovatta)
74. *'Are X-ray Obscured Compact Radio Sources Confined by their Environment?'*  
XMM-Newton, 2017 (PI: M. Sobolewska)
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  $\gamma$ -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 M 87?'*  
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  $\gamma$ -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  $\gamma$ -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  $\gamma$ -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 = 356; total citations = 27,179; H-index = 81*  
(as of March 2023, according to the SAO/NASA Astrophysics Data System [ADS])

## A. REGULAR REFEREED PUBLICATIONS

- A143. Migliori, G., Siemiginowska, A., Sobolewska, M., Cheung, C. C., **Stawarz, L.**, Schwartz, D., Snios, B., Saxena, A., Kashyap, V.  
*'The extremely X-ray luminous quasar CFHQS J142952+544717 at  $z = 6.18$  under Chandra high-angular resolution lens'*  
2023, Monthly Notices of the Royal Astronomical Society, submitted
- A142. Ralowski, M., Hryniewicz, K., Pollo, A., & **Stawarz, L.**  
*'Covering factor in AGNs: evolution versus selection'*  
2023, Astronomy & Astrophysics, submitted
- A141. Kosmaczewski, E., **Stawarz, L.**, Cheung, C.C., Bamba, A., Karska, A., Rocha, W.R.M.  
*'Multiwavelength Survey of Dark Globule DC 314.8-5.1: Point Source Identification and Diffuse Emission Characterization'*  
2023, the Astrophysical Journal, submitted (arXiv:2209.02372)
- A140. Sobolewska, M., Siemiginowska, A., Migliori, G., Ostorero, L., & **Stawarz, L.**  
*'Environment and X-ray variability of Compact Symmetric Objects unveiled with XMM-Newton and NuSTAR'*  
2023, the Astrophysical Journal, in press
- A139. Wójtowicz, A., **Stawarz, L.**, Cheung, C.C., Werner, N., & Rudka, D.  
*'Radio Emission of Nearby Early-type Galaxies at Low and Very-Low Radio Luminosity Range'*  
2023, the Astrophysical Journal, 944, 195
- A138. Król, D. L., **Stawarz, L.**, Krzesiński, J., & Cheung, C. C.  
*'Gravitational Microlensing Events in the Optical Lightcurve of Active Galaxy S5 0716+714'*  
2023, the Astrophysical Journal, 943, 171
- A137. Thimmappa, R., **Stawarz, L.**, Neilsen, J., Ostrowski, M., & Reville, B.  
*'X-ray Spectral Analysis of the Jet Termination Shock in Pictor A on Sub-Arcsecond Scales with Chandra'*  
2022, the Astrophysical Journal, 941, 204
- A136. Sobolewska, M., Migliori, G., Ostorero, L., Siemiginowska, A., **Stawarz, L.**, et al.  
*'The Origin of High Energy Emission in the Young Radio Source PKS 1718-649'*  
2022, the Astrophysical Journal, 941, 52
- A135. Zdziarski, A. A., **Stawarz, L.**, Sikora, M., & Nalewajko  
*'A simple analytical model of magnetic jets'*  
2022, Monthly Notices of the Royal Astronomical Society, 515, L17
- A134. Kosmaczewski, E., **Stawarz, L.**, Rocha, W.R.M., Shenoy, S.S., & Karska, A.  
*'Spectroscopic Diagnostics of the Mid-infrared Features of the Dark Globule DC 314.8-5.1 with the Spitzer Space Telescope'*  
2022, the Astrophysical Journal, 934, 94
- A133. Markowitz, A. G., Nalewajko, K., Bhatta, G., Dewangan, G. C., et al.  
*'Rapid X-ray Variability in Mkn 421 during a Multiwavelength Campaign'*  
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