

Andrea Santangelo's

List of invited, talks, seminars and lectures, and of publications in refereed Journals
(as of July16, 2026).

**The list of Invited Seminars, Talk and Lectures is below and indicated with [IL].
The list of publications starts at page 13 of the present file.**

- IL-127 A. Santangelo
“A journey to the Extreme Universe: the Sino -European Cooperation from Insight-HXMT to eXTP and THESEUS”
Seminar- CCNU
Wuhan, March 6, 2026
- IL-126 A. Santangelo
“ ‘Light from Darkness’: Indirect Dark Matter Search with High-Energy Astrophysics”
Seminar at Wuhan University
Wuhan, March 5, 2026
- IL-125 A. Santangelo
“A journey to the Extreme Universe: the Sino -European Cooperation from Insight-HXMT to eXTP”
Frontiers of Space Science - Yanqi Lake Meeting –
Beijing, November 22-25, 2025
- IL-124 A. Santangelo
“Introduction to University of Tübingen and POLAR-2 Status in Germany”
POLAR-2 High-level Meeting at IHEP
Online - November 15, 2025
- IL-123 A. Santangelo
“‘Light from Darkness’: Indirect Dark Matter Search with High-Energy Astrophysics”
Seminar, UMD&Cambridge X-ray group
Online - October 20, 2025
- IL-122 A. Santangelo
“From Nikolai Shakura to eXTP: The guiding spirit that transcends generations”
On the occasion of Nikolai Shakura's 80th Birthday
Online conference, October 15, 2025
- IL-121 A. Santangelo
“Fundamental Physics with THESEUS”
THESEUS Consortium meeting, ASI
October 09, 2025, Rome
- IL-120 A. Santangelo
“The enhanced X-ray Timing Polarimetry mission for launch in 2030”
Frascati Workshop 2025 - Multifrequency Behaviour of High Energy Cosmic Sources – XV
(Palermo, 9-14 June)
- IL-119 A. Santangelo
“ ‘Light from Darkness’: Indirect Dark Matter Searches with High-Energy Astrophysics”
Colloquium, at Physics Department, CCNU
May 26, 2025, Wuhan

- IL-118 A. Santangelo
 “ ‘Light from Darkness’: Indirect Dark Matter Searches with High-Energy Astrophysics”
 Colloquium, Physics Department, Fudan University
 May 20, 2025, Shanghai
- IL-117 A. Santangelo
 “Artificial Intelligence and machine learning in High Energy Astrophysics”
 March 12, 2025 – Humans and AI, Doshisha University, Kyoto
- IL-116 A. Santangelo
 “The THESEUS space mission concept in ESA’s M7 study”
 Visit at NAOC – CAS
 Beijing February 20, 2025
- IL-115 A. Santangelo
 “ ‘How dreams come through’ – Honoring the contribution of Enrico Costa to Science -
 Concluding Remarks”
 Conference in honour of Enrico Costa on the occasion of his 80th birthday
 Roma Italy, December 12, 2024
- IL-114 A. Santangelo
 "Physics, astrophysics and High Energy Astrophysics at the University of Tübingen"
 September 18, 2024 Fudan-Tübingen & Friends workshop, Fudan, Shanghai
- IL-113 A. Santangelo
 "Physics and Astrophysics of the Compact Objects"
 Lecture, LACAR 2024, Bogotá Colombia,
 June 24, 2024
- IL-112 A. Santangelo
 “Indirect dark matter search with High Energy Missions” in
 Looking AHEAD to soft Gamma-ray Astrophysics, February 13-16, 2024 Ferrara
 February 15, 2024
- IL-111 A. Santangelo
 “Introductory remarks: a decade-long collaboration, between science and friendship” in
 Unveiling the Dynamic and Energetic Universe with Insight-HXMT for Six Years and Beyond,
 Zhuhai, China
 January 23, 2024
- IL-110 A. Santangelo
 “From the Cores of the neutron stars to the mystery of dark matter”
 Joint UniGE-EPFL Colloquium, Sauverny Observatory, Geneva, Switzerland
 June 27, 2023
- IL-109 A. Santangelo
 “Fundamental physics studies with high energy astrophysics”
 Invited Astrophysics Colloquium at Astronomy Department, Sun Yat-sen University, Zhuhai,
 China, April 3, 2023
- IL-108 A. Santangelo
 “Not only astrophysics: Fundamental physics studies with high energy missions”
 Invited Astrophysics Colloquium at Astronomy Department, Tsinghua University, Beijing, China
 March 30, 2023
- IL-107 A. Santangelo

“Not only astrophysics: Fundamental physics studies with high energy missions”
Invited Physics Colloquium at Physics Department, Fudan University, Shanghai, China
March 21, 2023

- IL-106 A. Santangelo
"From Insight-HXMT and IXPE to eXTP: opening the the era of spectral-timing-polarimetry"
Invited Colloquium at INSTITUT DE RECHERCHE EN ASTROPHYSIQUE ET
PLANÉTOLOGIE, Toulouse, September 22, 2022
- IL-105 A. Santangelo
" X-Ray astronomy in Cosmology and Astrophysics: from eROSITA to the future"
Plenary talk at ‘108° CONGRESSO NAZIONALE SOCIETA' ITALIANA DI FISICA’
Milano September 12-16, 2022
- IL-104 A. Santangelo
"The eXTP mission: the new era of spectral-timing-polarimetry"
Invited talk at ‘1st Mondragone Frontiers of Astronomy Series’
Villa Mondragone, Frascati, Italy, May 18-20, 2022
- IL-103 A. Santangelo
"The eXTP mission"
Invited talk ‘GROWING BLACK HOLES: ACCRETION AND MERGERS’,
Kathmandu, Nepal, May 15-20, 2022
- IL-102 A. Santangelo
"Insight-HXMT: China’s first X-ray Astronomy Satellite"
Invited talk ‘GROWING BLACK HOLES: ACCRETION AND MERGERS’,
Kathmandu, Nepal, May 15-20, 2022
- IL-101 A. Santangelo
"Studies of neutron stars in the eXTP era"
Invited talk, Workshop ‘Timing X-ray Binaries: On the road to eXTP’,
Sabanci University, Turkey, October 8, 2021, Online
- IL-100 A. Santangelo
"Fundamental physics with THESEUS: the quest for dark matter"
Invited talk, THESEUS Conference 2021, March 25, 2021, Online.
- IL-99 A. Santangelo
"Not only Astrophysics: fundamental physics studies with High Energy mission"
Invited talk, Department of Physics SUSTech, October 19, 2021, Shenzhen, China
- IL-98 A. Santangelo
"High energy cosmic laboratories of fundamental physics"
Joint University of Geneva - EPFL colloquium at the Observatory of Sauverny June 23, 2020,
Geneva Observatory (planned)
- IL-97 A. Santangelo
"Fundamental physics studies with high energy missions"
Invited Colloquium, Sabanci University, Istanbul Turkey, 29.04.2020 (planned)
- IL-96 A. Santangelo
"A new frontier of high energy astrophysics: unveiling fundamental physics"
Physics Colloquium, Friedrich Schiller University, Jena - February 3, 2020
- IL-95 A. Santangelo
"The Science Case of eXTP (a summary)"

Invited talk at ‘Science and development of eXTP in Spain’, ICE (CSIC) – IEEC, UAB Janury 21-22 2020, Barcelona Spain

- IL-94 A. Santangelo
"A new frontier of high energy astrophysics: unveiling fundamental physics"
Invited Seminar at the Astrophysics Forum- T.D.Lee Institute, SJTU, January 6-10, Shanghai, China
- IL-93 A. Santangelo
"enhanced X-ray Timing and Polarimetry - eXTP"
Invited Talk at Workshop Stauber's 80th birthday, April 16-17, Tuebingen, Germany
- IL-92 A. Santangelo
"A new frontier of X-ray+ astrophysics: unveiling fundamental physics."
Invited Seminar at IPMU, Kavli-Institute November 22, Tokyo Japan
- IL-91 A. Santangelo
"Accreting Pulsars with Insight-HXMT"
Invited Talk at "New eyes on X-ray astrophysical objects with Japanese and Chinese observatories" Workshop 2018, November 19-21, ISAS/JAXA, Tokio, Japan
- IL-90 A. Santangelo
"Fundamental Physics studies with X-ray spectral-timing-polarimetry: the eXTP mission"
Invited Colloquim at ECAP, Friedrich-Alexander University Erlangen-Nürnberg
Erlangen, Germany, July 11, 2018.
- IL-89 A. Santangelo
"Fundamental Science and more with the enhanced X-ray Timing and Polarimetry mission"
Invited talk at Frontier research in Astrophysics III,
Mondello (Palermo) Italy, May 28- June 2, 2018.
- IL-88 A. Santangelo
"First results from the HXMT mission"
Invited talk at Frontier research in Astrophysics III,
Mondello (Palermo) Italy, May 28- June 2, 2018.
- IL-87 A. Santangelo
"X-rays in the context of cosmic ray science"
Invited talk at Sugar2018 Solvay workshop,
Searching for the sources of galactic and extragalactic Cosmic Rays,
Brussels, Belgium, January 23-26, 2018.
- IL-86 A. Santangelo
"TeV Gamma-ray emitters in our Galaxy"
Invited talk at Frascati Workshop 2017,
The multifrequency behaviour of high-energy cosmic sources,
Palermo, Italy, June 12-17, 2017.
- IL-85 A. Santangelo
"Future missions and instruments for X-ray astrophysics"
Invited seminar at the PRISMA detector laboratory University of Mainz,
Mainz, Germany, May 11, 2017.
- IL-84 A. Santangelo
"The next frontier of X-ray astrophysics: unveiling fundamental physics"
Invited seminar at the Institute of High Energy Physics of Chinese Academy of Sciences,
Beijing, China, March 31, 2017.

- IL-83 A. Santangelo
 “Concluding Remarks”
 Invited talk at High Throughput X-ray Astronomy in the eXTP Era,
 Roma, Italy February 6-8, 2017.
- IL-82 A. Santangelo
 “TeV Astrophysics in the eXTP era”
 Invited talk at High Throughput X-ray Astronomy in the eXTP Era,
 Roma, Italy February 6-8, 2017.
- IL-81 A. Santangelo
 “Non solo luce: L’Universo delle Particelle, neutrini e raggi cosmici”
 Invited Public talk at GAL HASSIN 2016,
 Isnello, Italy, September 10, 2016.
- IL-80 A. Santangelo
 “Searching for UHE particles from space: The EUSO Program”
 Invited talk The Lake Baikal Three Messenger Conference,
 Listvyanka Lake Baikal, Russia, August 28-September 3, 2016.
- IL-79 A. Santangelo
 “The timing frontier and the eXTP mission”
 Invited talk at Frontier research in Astrophysics II,
 Mondello (Palermo) Italy, May 23-28, 2016.
- IL-78 A. Santangelo
 “The timing frontier and the eXTP mission”
 Invited talk at Frontier research in Astrophysics II,
 Mondello (Palermo) Italy, May 23-28, 2016.
- IL-77 A. Santangelo
 “Report for XIPE WG2 on compact objects”
 Invited talk at First XIPE science meeting,
 Valencia Spain, May 24-26, 2016.
- IL-76 A. Santangelo
 “Accreting X-ray pulsars Do we really understand what they are?”
 Invited talk at Black Holes and friends 2016,
 Fudan University
 Shanghai, April 11, 2016.
- IL-75 A. Santangelo
 “Internazionalisation or „brain drain“: Tübingen and the South of Germany”
 Invited seminar at EXPO Milano, Italy,
 Milano, Italy, October 20, 2015.
- IL-74 A. Santangelo
 “The science, experimental and programmatic case of the JEM-EUSO program”
 Invited seminar at the Physics department of the University of Gent,
 Gent, Belgium, May 22, 2015.
- IL-73 A. Santangelo
 “Exploring the UHE Universe from Space: the science and experimental case of the
 JEM-EUSO mission”
 Invited seminar at the The Centre Spatial de Liège (CSL),
 Liège, Belgium, October 10, 2014
- IL-72 A. Santangelo

“The JEM-EUSO mission (or better status of)”
Invited talk at Frontiers Objects in Astrophysics and Particle Physics,
Vulcano, Italy, May 18-25, 2014.

- IL-71 A. Santangelo
“X-ray Astronomy in Tübingen and the World”
Invited talk at Keplecr Center for Astro and Particle Physics Tübingen “on the occasion of
Rüdiger Staubert’s 75th Birthday,
Tübingen, Germany April, 4, 2014.
- IL-70 A. Santangelo
“Exploring the UHE Universe from Space: the science and experimental case of the
JEM-EUSO mission”
Invited seminar at the Institute of Space Science Bucharest,
Bucharest, Romania, April, 1-2, 2014.
- IL-69 A. Santangelo
“Exploring the UHE Universe from Space”
Invited Plenary talk at “9th International Conference on Sub-atomic Physics and Applications”
Constantine Algeria, September 30 - October 2. 2013.
- IL-68 A. Santangelo
“X-ray Astronomy: A note on history, a look into the future”
Invited Plenary talk at “Waves and Particles: Multi-Messengers from the Universe”
Annual Meeting of the Astronomische Gesellschaft – 150th Anniversary,
September 24-27, 2013.
- IL-67 A. Santangelo
“Messengers from Heaven: Exploring the frontiers of the Universe”
Invited seminar at 10 Years Anniversary Double Degree in Physics University of Trento –
University of Tübingen,
Trento, Italy, July 24, 2013.
- IL-66 A. Santangelo
“VHE Astrophysics: a (partial) review”
Invited talk at Frascati Workshop 2013: Multifrequency behavior of High Energy Cosmic
Sources,
Palermo, Italy, May 27 - June 1, 2013.
- IL-65 A. Santangelo
“The JEM-EUSO mission; the instrument and its pathfinders”
Invited seminar at Centre National des Techniques Spatiales,
Arzew, Algeria, February 3, 2013.
- IL-63, 64 A. Santangelo
Two invited lectures on: “The JEM-EUSO mission and its pathfinders”
“X-ray Astrophysics The new frontiers”
Invited at 5th School on Cosmic Rays and Astrophysics,
Universidad Mayor de San Andres, La Paz, Bolivia, August 22-31, 2012.
- IL-62 A. Santangelo
“X-ray astronomy: a look back and into the (near) future”
Invited seminar at 100 Years Cosmic Rays – Anniversary of Their Discovery by V. F. Hess,
Die Bühne, Bad Saarow/pieskow, Germany, August 5-8, 2012.
- IL-61 A. Santangelo
“Exploring the Ultra High Energy Universe from space”
Invited seminar at TU München,

TU München, February 6, 2012.

- IL-60 A. Santangelo
“Ultra High Energy Neutrinos with JEM-EUSO”
Invited talk at Very Large Neutrino Telescopes 2011,
Erlangen-Nürnberg, October 12-14, 2011.
- IL-59 A. Santangelo
“Exploring the Ultra High Energy Universe with the JEM-EUSO mission”
Invited seminar at the Université de Liège, IFAP, Institut d’Astrophysique et Géophysique,
Liège, October 4, 2011.
- IL-58 A. Santangelo
“The JEM-EUSO mission”
Invited talk at the 8th Fluorescence Workshop,
Karlsruhe, September 12, 2011.
- IL-57 A. Santangelo
“Exploring the Ultra High Energy Universe with the JEM-EUSO mission”
Invited seminar at the Joint Particle and Astroparticle Physics Seminar of Heidelberg,
Tübingen and KIT, Karlsruhe, June 28, 2011.
- IL-56 A. Santangelo
“New Views on Accreting X-ray Pulsars, a brief review of recent results”
Review talk at the MAXI International Symposium,
Tokyo, Japan, November 30- December 3, 2010.
- IL-55 A. Santangelo
“Space based research of the High and Ultra-High Energy Universe”
Invited Talk at the Graduate Day of the Eurograd and Kepler Center Graduate Schools,
Tübingen, Germany, November 19, 2010.
- IL-54 A. Santangelo
“Status of the JEM-EUSO mission: Unveiling the UHE Universe from space”
Invited seminar at the ICATPP Conference on Cosmic Rays for Particle and Astroparticle,
Physics” Villa Olmo, Como, Italy, October 7-8, 2010.
- IL-53 A. Santangelo
“Particle Astrophysics of the UHE Universe”
Invited lecture at the “32nd course of the International School of Nuclear Physics”
Erice, Italy, September 16-24, 2010.
- IL-50, 51, 52 A. Santangelo
Three invited lectures on:
“Techniques for TeV - PeV Astrophysics”
“H.E.S.S.: Highlights. A brief tour on HESS astrophysics”
“Exploring the UHE Universe from Space”
4th School on Cosmic Rays and Astrophysics, Universidad Federal ABC,
Santo Andre, Sao Paulo, Brazil, September 2010.
- IL-49 A. Santangelo
“The making of a dream: the history of the space based observation of the UHE Universe”
Invited talk at the International Symposium in memory of Prof. Yoshi Takahashi,
Huntsville (US), June 14, 2010.
- IL-48 A. Santangelo
“Space Based Observation of the Ultra High Energy Universe”
Invited seminar at the Institute of Experimental Physics, Slovak Academy of Science, Sefarik

University,
Kosice, June 14, 2010.

- IL-47 A. Santangelo
“Space Based Observation of the UHE Universe”
Invited talk at the International Workshop, Vulcano - 2010, Frontier Objects in Astrophysics and
Astroparticle Physics,
Vulcano, May 25th, 2010.
- IL-46 A. Santangelo
“Accreting X-ray Pulsars: recent findings, open questions”
Invited talk at the International Workshop “The many faces of Accreting Pulsars”
Tübingen, March 29th, 2010.
- IL-45 A. Santangelo
“Observation of UHE Cosmic Rays from Space”,
Invited talk at National Workshop Astroteilchenphysik in Deutschland: Status und Perspektiven,
DESY, Zeuthen, February 26th, 2010.
- IL-44 A. Santangelo
“Astrophysics at High, Very High and Ultra High Energies”
Invited lecture at the Physics Faculty of Saitama University,
Saitama, Japan, February 8th, 2010.
- IL-43 A. Santangelo
“Accreting X-ray Pulsars: a brief review of recent results”
Invited seminar at Nicolaus Copernicus Astronomical Center,
Warsaw, Poland, January 27th, 2010.
- IL-42 A. Santangelo
“The JEM-EUSO Mission- Unveiling the Universe at ultra high energies”
Invited seminar at Polish Space Research Center, Polish Academy of Science,
Warsaw, Poland, January 26th, 2010.
- IL-41 A. Santangelo
“Recent views on Accreting X-ray Pulsars”
Invited seminar at the Institute of Advanced Studies of RIKEN,
RIKEN, Wako, Japan, December 10th, 2009.
- IL-40 A. Santangelo
“The Science Case of the JEM-EUSO Mission- Unveiling the Universe at ultra high energies”
Invited talk at the International Symposium “TOURS 2009”,
Kobe, Japan, November 18th, 2009.
- IL-39 A. Santangelo
“Space based studies of UHE Neutrinos”
Invited lecture at the “31st course o International School of Nuclear Physics”,
Erice, Italy, September 16-24, 2009.
- IL-38 A. Santangelo
“Flavors of the Extreme Universe Space Observatory (EUSO) The JEM-EUSO and S-EUSO
missions”, Invited talk at the 2008
Invited at International Workshop “Frontier Objects in Astrophysics and Astroparticle Physics”,
Vulcano, Italy, May, 2008.
- IL-37 A. Santangelo
“Simbol-X science case”
Invited talk at the “2008 MPE Ringberg meeting”,

Ringberg Castle, Germany, February 12th, 2008.

- IL-36 A. Santangelo
“Gamma Ray and UHECR Observations from space”
Invited lecture at the “400. Heraeus Seminar”,
Bad Honnef, Germany, February 12th, 2008.
- IL-35 A. Santangelo
“TeV Astrophysics in the H.E.S.S. I&II Era (...and beyond)”
Invited talk at the “Seminar of the Kepler Center”,
Tübingen, Germany, December 12th, 2007.
- IL-34 A. Santangelo
“Livio Scarsi, a brief recollection note”
Invited lecture at the International Symposium “High Energy in Space”,
Palermo, Italy, October 11th, 2007.
- IL-33 A. Santangelo
“UHECR and Neutrinos from Space, The many flavors of the Extreme Universe Space
Observatory- EUSO”
Invited talk at the International Workshop “5th Fluorescence Workshop”,
El Escorial- Madrid, Spain, September 17th, 2007.
- IL-32 A. Santangelo
“The H.E.S.S. view of our Galaxy”
Invited talk at “Congresso Nazionale Oggetti Compatti 2007”,
San Vito lo Capo, Italy, September 14th, 2007.
- IL-31 A. Santangelo
“Highlights from H.E.S.S.: A Review one year after”
Invited talk at the International Workshop “Multifrequency Behavior of High Energy Cosmic
Sources”,
Vulcano, Italy, May 2007.
- IL-30 A. Santangelo
“Broad Band continuum and Cyclotron Scattering Features in the Spectra of Accreting X-ray
Pulsars”
Invited talk at “Simbol-X: the hard X-ray Universe in focus”, International Workshop,
Bologna, Italy, May 15th, 2007.
- IL-29 A. Santangelo
“The BeppoSAX view of accreting Pulsars”
Invited lecture at the ISSI Workshop on “Cyclotron lines”,
Bern, Switzerland, March 18th, 2007.
- IL-28 A. Santangelo
“The keV – TeV Connection eRosita, Simbol X and the others... X-ray Observatories in the
CTA era”
Invited talk at the Workshop “Towards a CTA FP7 Design Study”,
Paris, March 1st, 2007.
- IL-27 A. Santangelo
“Observatories of a multi-messenger approach to the (Very?) High Energy Universe”
Invited talk at the III meeting of the HEAPNET network,
Amsterdam, The Netherlands, 19-20 February, 2007.
- IL-26 A. Santangelo
“The search from space of Ultra High Energy Neutrinos (and Cosmic Rays)-

EUSO, JEM-EUSO and beyond...”
 Kolloquium at Konan University, Kobe,
 January 26, 2007.

- IL-25 A. Santangelo
 “eRosita, Simbol X and the others...X-ray Observatories in the CTA era”
 Invited talk at “CTA Physics Working Group II meeting”,
 Utrecht, The Netherlands, Nov. 6-7, 2006.

- IL-24 A. Santangelo
 “Ultra High Energy studies from Space- The quest for Ultra High Energy Neutrinos and Cosmic Rays”, DLR Kolloquium
 Bonn, Germany, Januar 25th, 2006.

- IL-23 A. Santangelo
 “The TeV Sky with H.E.S.S: and beyond”
 Invited lecture at “2nd International School on Cosmic Rays and Astrophysics 2006”,
 Puebla de Los Angeles, Mexico, August, 2006.

- IL-22 A. Santangelo
 “Unveiling a new face of the Universe: the Search for Ultra High Energy Neutrinos and Cosmic Rays from Space”
 Invited lecture at “2nd International School on Cosmic Rays and Astrophysics 2006”,
 Puebla de Los Angeles, Mexico, August, 2006.

- IL-21 A. Santangelo
 “Ultra High Energy Studies in the Cosmic Vision Program of ESA”
 Invited at International Workshop “The UHE Universe: a Vision for the next decade”, Villa
 Mondragone, Frascati, Italy, May 2006.

- IL-20 A. Santangelo
 “The TeV sky with H.E.S.S.: A Review”
 Invited at International Workshop “Frontier Objects in Astrophysics and Astroparticle Physics”,
 Vulcano, Italy, May 2006.

- IL-19 A. Santangelo
 “High Mass X-ray Binary Pulsars: a brief Review at Hard X-Rays”
 Invited at International Conference “The Transient Milky Way: a perspective for MIRAX”,
 INPE, San Jose dos Campos, Brazil, December 2005.

- IL-18 A. Santangelo
 “Searching for Ultra High Energy Neutrinos (...and UHECRs) from space”
 Invited lecture at “27th Course of International School of Nuclear Physics”,
 Erice, Italy, September 16-24 2005.

- IL-17 A. Santangelo
 “The Quest for UHE Cosmic Rays and Neutrinos from Space”,
 Invited lecture at “XLth Rencontres de Moriond, Very High Energy Phenomena in the Universe,
 Le Thuile, Italy, 13th March 2005.

- IL-16 A. Santangelo
 “Toward a Joint Research Activity for Space-based High Energy Astroparticle?”
 Invited talk at International Workshop “High Energy Astroparticle Physics European Network”,
 CNRS, Paris, France, 17th December 2004.

- IL-15 A. Santangelo
 “Prospettive Future per la ricerca sui Raggi Cosmici”

Invited talk at International Workshop “Giuseppe Occhialini: Arcetri e I Raggi Cosmici”,
Osservatorio di Arcetri, Firenze, 6th December 2004.

- IL-14 A. Santangelo
“The Search for Cyclotron Resonant Scattering Harmonics in the Hard Spectra of Accreting Pulsars”
Invited talk at International Workshop “Ruediger Staubert 65th Birthday: Topics in X-ray Astronomy”, IAAT, Tuebingen, Germany, 22-25 February 2004.
- IL-13 A. Santangelo
“The EUSO Mission and the quest for Extreme Energy Cosmic Rays and Neutrinos”
Invited at International Conference “Modelling the Intergalactic and Intracluster Media”, Vulcano, Italy, October 1-4 2003.
- IL-12 A. Santangelo
“Recent views on Broad Band X-ray spectra of accreting pulsars”
Invited at IAAT,
Universität Tübingen, Germany, July 17th 2003.
- IL-11 A. Santangelo & T. Di Salvo
“Recent views on hard X-ray spectra of binary sources”
Invited at International Symposium “The Restless High energy Universe”,
Amsterdam, the Netherlands, May 5-8, 2003.
- IL-10 A. Santangelo
“The Extreme Universe Space Observatory- EUSO”
Invited at International School of Astrophysics “D. Chalonge”, 9th Course on “Astrofundamental Physics”,
Palermo, Italy, 22nd September 2002.
- IL-9 A. Santangelo
“Systematics and Background of the EUSO Mission”
Invited at International Workshop “First International Workshop on Air Fluorescence-FIWAF”,
Salt Lake City, Utah, US, October 5-8 2002.
- IL-8 A. Santangelo
“Astroparticles at IASF”
First Meeting of the IASF-CNR Scientific Council,
Roma, Italy, September 12th, 2002.
- IL-7 A. Santangelo,
“Accreting Pulsars with BeppoSAX”
Invited at International Workshop “Recent Progress in Understanding X-ray pulsars”,
Tuebingen, Germany, July 1-2, 2002.
- IL-6 A. Santangelo
“BeppoSAX: six years of exciting life doing X-ray Astronomy”
SIF 2002, Società Italiana di Fisica General Assembly 2002,
Alghero, Italy, September 20-24, 2002.
- IL-5 A. Santangelo
“Hard X-ray Emission from Accreting Pulsars in the BeppoSAX and RXTE Era”
CNOC 2, Second National Workshop “Conferenza Nazionale Oggetti Compatti”,
Bologna, Italy, September 19-21, 2001.
- IL-4 A. Santangelo
“New scenarios on accreting compact galactic sources after BeppoSAX”
SIF 2001, Società Italiana di Fisica General Assembly 2001,

Milano Bicocca, Milano, Italy, September 24-28, 2001.

- IL-3 A. Santangelo
 “The BeppoSAX view of the Hard X-ray Sky”
 Gamow Memorial International Conference (GMIC-99),
 Odessa, Ucraina, August 16-27, 1999.

- IL- 2 A. Santangelo
 “High Pressure Gas Scintillation Proportional Counter (HPGSPC) on-board the BeppoSAX Satellite”
 Invited at Workshop “Science with BeppoSAX- results of the Science Verification Phase”,
 Consiglio Nazionale delle Ricerche, Roma, Italy, January 21, 1997.

- IL-1 A. Santangelo
 “The High Pressure Gas Scintillation Proportional Counter of BeppoSAX”
 Invited at Workshop “Science with BeppoSAX- results of the Science Verification Phase”, SIF
 1996,
 Società Italiana di Fisica General Assembly 1996,
 Verona, Italy, September 24-28, 1996.

I am first or co-author of more than 700 publications on refereed journals, together with others of recognized international relevance (e.g., refereed Proceedings of SPIE, Nuclear Physics B, Advances in Space Research, ESA Publications).

In addition, I co-authored more than 300 publications in Proceedings of Conferences, or similar (ATELs, archive papers...). These are not included in the list below.

For an updated search in the Astrophysics Data System you might look at:

https://ui.adsabs.harvard.edu/search/q=%20author%3A%22Santangelo%2C%20Andrea%22&sort=date%20desc%2C%20bibcode%20desc&p_=0

For an updated list of all entries in ORCID (more than 900): Andrea Santangelo

<https://orcid.org/0000-0003-4187-9560>

The main research lines of my publications include: 1) Instrumentation and mission for space missions (mainly X-ray astronomy); 2) Analysis and modelling of highly energetic astrophysical sources; 3) Experimental developments for ground-based VHE astronomy; 4) Experimental developments for UHE astrophysics; 5) Other publications.

The list below is updated up to July 2026.

- RP-709 A. Acharyya, F. Aharonian, ..., **A. Santangelo** and 118 co-authors
“Gamma-ray constraints on heavy axion-like-particle decays from Fermi-LAT and H.E.S.S. blazar spectra”
eprint arXiv:2606.11923, (2026).
- RP-708 G. Principe, J. C. Algaba, ..., **A. Santangelo** and 530 co-authors
“Broadband multiwavelength properties of the archetypal blazar 3C 279 during the 2017 Event Horizon Telescope campaign”
eprint arXiv:2606.25868, (2026).
- RP-707 S. Allak, W. Yu, ..., **A. Santangelo** and 4 co-authors
“Spectral and timing variability of the transient ultraluminous X-ray source NGC 4631 X-4”
eprint arXiv:2606.23489, (2026).
- RP-706 Y. Fan, C. Bambi, ..., **A. Santangelo** and 2 co-authors
“Testing Black Holes with Interstellar Missions: II. Flyby Probes”
eprint arXiv:2607.09077, (2026).
- RP-705 L. Kong, X. Dai, ..., **A. Santangelo** and 12 co-authors
“Rapid quasi-periodic reconfiguration of the accretion column in pulsar 1A 0535+262”
eprint arXiv:2606.01625, (2026).
- RP-704 S. Allak, L. Ducci, ..., **A. Santangelo** and 6 co-authors
“A candidate cyclotron line at 1.89 keV in the ultraluminous X-ray source NGC 4861 X-2”
A&A, 710, L36, 9 pp., (2026).
- RP-703 H. Lui, L. Kong, ..., **A. Santangelo** and 15 co-authors
“NICER detection of a new candidate cyclotron line in the bursting X-ray pulsar GRO J1744-28”
A&A, 711, id. A101, 9 pp., (2026).

- RP-702 L. Gao, C. Bambi, ..., **A. Santangelo** and 3 co-authors
 “Testing Black Holes with Interstellar Missions: I. Orbiting Probes”
 eprint arXiv:2605.19176, (2026).
- RP-701 S. Zhao, H. Liu, ..., **A. Santangelo** and 3 co-authors
 “A bright flare in the obscured state of GRS 1915+105 as seen by NICER and Swift”
 eprint arXiv:2604.11710, (2026).
- RP-700 H. Lui, L. Kong, ..., **A. Santangelo** and 13 co-authors
 “A clean broad iron line in GS 1354--64 as seen by XRISM”
 eprint arXiv:2603.06883, (2026).
- RP-699 A. Nosirov, C. Bambi, ..., **A. Santangelo** and 4 co-authors
 “Searching for Isolated Black Hole Candidates within 15 pc of the Solar System in Gaia DR3”
 ApJ, 1004, id.21, 11 pp., (2026).
- RP-698 A. Salganik, L. Kong, ..., **A. Santangelo** and 5 co-authors
 “First detection of X-ray polarization from the long-period X-ray pulsar 4U 1954+319”
 A&A, 710, id. A36, 7 pp., (2026).
- RP-697 W. Leone, R. Mearns, ..., **A. Santangelo** and 70 co-authors
 “CubeSats Reach the Millisecond X-Ray Domain: Crab Pulsar Timing with SpIRIT/HERMES”
 ApJ, 1001, id.5, 12 pp., (2026).
- RP-696 S. Abdollahi, L. Baldini, ..., **A. Santangelo** and 584 co-authors (the **H.E.S.S.**, **MAGIC** and **VERITAS** collaborations)
 “Combined dark matter search towards dwarf spheroidal galaxies with Fermi-LAT, HAWC, H.E.S.S., MAGIC, and VERITAS”
 JCAP, 2026, id.035, 39 pp., (2026).
- RP-695 J-C. Sun, J. He, ..., **A. Santangelo** and 46 co-authors
 “Design and preliminary performance study of the broad-band spectrometer detector for POLAR-2”
 ExA 61, id.9, 40 pp., (2026).
- RP-694 A. Acharyya, F. Aharonian, ..., **A. Santangelo** and 115 co-authors (the **H.E.S.S.** collaboration)
 “Search for long-term variability of HESS J1745-290”
 A&A, 709, id.A96, 10 pp., (2026).
- RP-693 A. Acharyya, F. Aharonian, ..., **A. Santangelo** and 143 co-authors (the **H.E.S.S.** collaboration)
 “The second H.E.S.S. gamma-ray burst catalogue: 15 years of observations with the H.E.S.S. telescopes”
 A&A, 707, id.A382, 18 pp., (2026).
- RP-692 S. Allak, A. Akyuz, ..., **A. Santangelo** and 2 co-authors
 “Identification of three new ULXs in NGC 4631 and NGC 1097: evidence for stellar-mass black holes”
 A&A, 707, id. A236, 13 pp., (2026).
- RP-691 B. You, W. Yu, ..., **A. Santangelo** and 5 co-authors
 “Reverberation lags viewed in hard X-rays from an accreting stellar-mass black hole”
 NatCo, 17, id.2860., (2026).
- RP-690 Y-J. Du, P-J. Wang, ..., **A. Santangelo** and 5 co-authors
 “Long-term evolution of cyclotron resonant scattering features in the accreting pulsar Vela X-1: A pulse-to-pulse approach”
 A&A, 706, id. A175, 10 pp., (2026)

- RP-689 K. Kroupetis, S. Riaz, ..., **A. Santangelo** and 6 co-authors
 “Modelling X-ray reflection spectra from returning radiation: application to 4U 1630-47”
 eprint arXiv:2601.14860, (2026).
- RP-688 F. Aharonian, M. Backes..., **A. Santangelo** and 116 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. detection and multi-wavelength study of the $z \sim 1$ blazar PKS 0346-27”
 A&A, 706, id. A246, 12 pp. (2026).
- RP-687 H. Liu, J. Jiang, ..., **A. Santangelo** and 10 co-authors
 “Decoding Cygnus X-2: The Critical Role of Reflection in IXPE Data”
 JHEAp, 51, id. 100548, 12 pp., (2026).
- RP-686 D. Malyshev, M. Chernyakova, ..., **A. Santangelo** and 5 co-authors
 “Multi-GeV Fermi-LAT Detection of PSR B1259-63”
 MNRAS, 545, id.2212, 5 pp., (2026).
- RP-685 A. Acharyya, F. Aharonian, ..., **A. Santangelo** and 131 co-authors (the **H.E.S.S.** collaboration)
 “Constraining the nature of the most extreme Galactic particle accelerator. H.E.S.S. observations of the microquasar V4641 Sgr”
 A&A, 706, id. A8, 23 pp. (2026).
- RP-684 L. Ducci, S. Mereghetti, ..., **A. Santangelo** and 4 co-authors
 “Discovery of a 9.67 s Pulsar in an Ultraluminous X-Ray Source in NGC 4631 with XMM-Newton”
 ApJ 994, id L38, 9 pp., (2025).
- RP-683 D. Malyshev, L. Zadorozhna, ..., **A. Santangelo** and 2 co-authors
 “AGN spectral variability across activity states and searches for axion-like particles”
 eprint arXiv:2509.22344, (2025).
- RP-682 D. Das, H. Liu, ..., **A. Santangelo** and 5 co-authors
 “Spin Constraints on 4U 1630-47 via combined Continuum Fitting and Reflection methods: a comparative study using Frequentist and Bayesian statisticse”
 eprint arXiv:2509.09481, (2025).
- RP-681 E. Perinati, M. J. Freyberg, ..., **A. Santangelo** and 6 co-authors
 “Study and reproducibility of the SRG/eROSITA background with particle rejection on and off”
 ExA 60, id.18, 16 pp., (2025).
- RP-680 P. Zhou, J. Mao, ..., **A. Santangelo** and 97 co-authors
 “Observatory science with eXTP”
 SCPMA 68, id. 119507, 45 pp., (2025).
- RP-679 S-X Yi, W. Zhao, ..., **A. Santangelo** and 75 co-authors
 “Prospects for time-domain and multi-messenger science with eXTP”
 SCPMA 68, id. 119506, 46 pp., (2025).
- RP-678 M. Ge, L. Ji, ..., **A. Santangelo** and 47 co-authors
 “Physics of strong magnetism with eXTP”
 SCPMA 68, id. 119505, 29 pp., (2025).
- RP-677 Q. Bu, C. Bambi, ..., **A. Santangelo** and 42 co-authors
 “Probing the strong gravity region of black holes with eXTP”
 SCPMA 68, id. 119504, 36 pp., (2025).
- RP-676 A. Li, A. L. Watt, ..., **A. Santangelo** and 82 co-authors
 “Dense matter in neutron stars with eXTP”
 SCPMA 68, id. 119503, 51 pp., (2025).

- RP-675 S-N Zhang, **A. Santangelo** and 158 co-authors
 “The enhanced X-ray Timing and Polarimetry mission—eXTP for launch in 2030”
 SCPMA 68, id. 119502, 18 pp., (2025).
- RP-674 L. Ducci, E. Perinati ..., **A. Santangelo** and 4 co-authors
 “Ultra-luminous X-ray pulsars as sources of TeV neutrinos”
 A&A, 701, id. A98, 8 pp., (2025).
- RP-673 P. Wang, ..., **A. Santangelo** and 13 co-authors
 “The 2024 outburst of 1A 1744–361 observed by NICER and Insight-HXMT: Type-I X-ray burst and persistent emission”
 A&A, 701, id. A57, 10 pp., (2025).
- RP-672 D. Malyshev, ..., **A. Santangelo** and 3 co-authors
 “Constraints on axion-like particles from active galactic nuclei seen through galaxy clusters”
 NatAs, 9, p. 1387-1395, (2025).
- RP-671 M. Zou, ..., **A. Santangelo** and 13 co-authors
 “Probing the polarized emission from the accretion-powered pulsar 4U 1907+09 with IXPE”
 A&A, 700, id. A283, 9 pp., (2025).
- RP-670 A. Kuzin, ..., **A. Santangelo** and 3 co-authors
 “INTEGRAL/ISGRI Post 2024-Periastron View of PSR B1259-63”
 Univ, 11 id. 254, 11 pp., (2025).
- RP-669 A. Avakyan, ..., **A. Santangelo** and 7 co-authors
 “XMM-Newton follow-up of two eROSITA X-ray binary candidates”
 ExA, 60 id. 5, 25 pp., (2025).
- RP-668 X. Wang, ..., **A. Santangelo** and 22 co-authors
 “Digital electronics for the eXTP large area detector”
 ExA, 60 id. 6, 22 pp., (2025).
- RP-667 Q. Liu, ..., **A. Santangelo** and 6 co-authors
 “Timing and spectral variability in 2S 1417–624 observed with Insight-HXMT”
 A&A, 699, id. A58, 10 pp., (2025).
- RP-666 V. Loktev, ..., **A. Santangelo** and 13 co-authors
 “Exploring polarization and geometry in the X-ray pulsar 4U 1538-52”
 A&A, 698, id. A22, 9 pp., (2025).
- RP-665 F. Aharonian, ..., **A. Santangelo** and 140 co-authors (the **H.E.S.S.** collaboration)
 “The H.E.S.S. extragalactic sky survey with the first decade of observations”
 A&A, 695, id. A261, 23 pp., (2025).
- RP-664 W. Yu, ..., **A. Santangelo** and 14 co-authors
 “Correlated spectro-polarimetric study along the Z track in XTE J1701–462 puts constraints on its coronal geometry”
 A&A, 695, id. A108, 6 pp., (2025).
- RP-663 F. Fiore, M. Trenti, ..., **A. Santangelo** and 87 co-authors
 “HERMES Pathfinder & SPIRIT: a progress report”
 eprint arXiv:2502.17952, (2025).
- RP-662 M. Ahlers, I. Allekotte, ..., **A. Santangelo** and 136 co-authors
 “Ideas and Requirements for the Global Cosmic-Ray Observatory (GCOS)”
 eprint arXiv:2502.05657, (2025).

- RP-661 H. Xiong, ..., **A. Santangelo** and 11 co-authors
 “Preliminary design and development of the module back-end electronics for the large area detector onboard the eXTP mission”
 ExA, 59, id.1, 17 pp., (2025).
- RP-660 F. Aharonian, ..., **A. Santangelo** and 137 co-authors (the **H.E.S.S.** collaboration)
 “Detection of very-high-energy gamma-ray emission from Eta Carinae during its 2020 periastron passage”
 A&A, 694, id. A328, 11 pp., (2025).
- RP-659 Y-J. Du, ..., **A. Santangelo** and 6 co-authors
 “Timing and spectral studies of the Be/X-ray binary EXO 2030+375 using Insight-HXMT observations”
 A&A, 694, id.A156, 10 pp., (2025)
- RP-658 M. Zhou, ..., **A. Santangelo** and 7 co-authors
 “Dimming GRS 1915+105 observed with NICER and Insight-HXMT”
 A&A, 694, id. A104, 13 pp., (2025).
- RP-657 A. Tavleev, V. F. Suleimanov, K. Werner, **A. Santangelo**
 “Examining the evolution of the Supersoft X-ray Source RX J 0513.9–6951”
 A&A, 694, id. A73, 10 pp., (2025).
- RP-656 A. Zainab, ..., **A. Santangelo** and 24 co-authors
 “Multiwavelength study of 1eRASS J085039.9-421151 with eROSITA NuSTAR and X-shooter”
 A&A, 693, id. A 260, 16 pp., (2025).
- RP-655 J. C. Algaba, ... **A. Santangelo** and 759 co-authors (the **EHT MWL** Science Working Groups)
 “Broadband multi-wavelength properties of M87 during the 2018 EHT campaign including a very high energy flaring episode”
 A&A, 692, id. A140, 44 pp., (2024).
- RP-654 X. Dai, ... **A. Santangelo** and 6 co-authors
 “Unveiling the rebrightening mechanism of GRS 1915+105: Insights from a change in the quasi-periodic oscillations and from a wind analysis”
 A&A, 692, id. A117, 12 pp., (2024).
- RP-653 J. A. García, ... **A. Santangelo** and 60 co-authors
 “The high energy X-ray probe (HEX-P): science overview”
 FrASS, 11, id. 1471585, 19 pp., (2024).
- RP-652 F. Aharonian, ..., **A. Santangelo** and 146 co-authors (the **H.E.S.S.** collaboration)
 “High-Statistics Measurement of the Cosmic-Ray Electron Spectrum with H.E.S.S.”
 PhRevL, 133, id.221001, 8 pp., (2024).
- RP-651 M. Klawin, ..., **A. Santangelo** and 4 co-authors
 “Searching for orbital period modulation in X-ray observations of the symbiotic X-ray binary GX 1+4”
 A&A, 692, id. A19, 8 pp., (2024).
- RP-650 J-Q. Peng, ..., **A. Santangelo** and 11 co-authors
 “The Peculiar Disk Evolution of 4U 1630-472 Observed by Insight-HXMT During its 2022 and 2023 Outbursts”
 ApJ, 975, id. 4, 12 pp., (2024).
- RP-649 Q. Liu, ..., **A. Santangelo** and 9 co-authors

- “The high-energy cyclotron line in 2S 1417-624 discovered with Insight-HXMT during the 2018 outburst”
A&A, 691, id. A215, 10 pp., (2024).
- RP-648 H. Abe, ..., **A. Santangelo** and 272 co-authors (the **MAGIC** collaboration)
“Multi-wavelength study of OT 081: broadband modelling of a transitional blazar”
MNRAS, 540, 1, 364-384 <https://doi.org/10.1093/mnras/stae2469>, (2025).
- RP-647 R. A. Remillard, ..., **A. Santangelo** and 27 co-authors
“The STROBE-X Wide Field Monitor Instrument”
JATIS, 10, id. 042505, 19 pp., (2024).
- RP-646 P. S. Ray, ..., **A. Santangelo** and 55 co-authors
“Spectroscopic Time-Resolving Observatory for Broadband Energy X-rays: mission overview”
JATIS, 10, id. 042504, 9 pp., (2024).
- RP-645 A. L. Hutcheson, ..., **A. Santangelo** and 65 co-authors
“STROBE-X High Energy Modular Array (HEMA)”
JATIS, 10, id. 042503, 16 pp., (2024).
- RP-644 S. Abe, ..., **A. Santangelo** and 595 co-authors (the **CTA** consortium)
“Prospects for a survey of the galactic plane with the Cherenkov Telescope Array”
JCAP, 2024, id. 081, 70 pp., (2024).
- RP-643 S. Abe, ..., **A. Santangelo** and 565 co-authors (the **CTA** consortium)
“Prospects for γ -ray observations of the Perseus galaxy cluster with the Cherenkov Telescope Array”
JCAP, 2024, id. 004, 104 pp., (2024).
- RP-642 E. Perinati, ..., **A. Santangelo** and 7 co-authors
“Using SRG/eROSITA to predict soft proton induced ATHENA backgrounds”
ExA, 58, id. 9, 19 pp., (2024).
- RP-641 L. Ducci, **A. Santangelo** and 3 co-authors
“Searching for redshifted 2.2 MeV neutron-capture lines from accreting neutron stars: Theoretical X-ray luminosity requirements and INTEGRAL/SPI observations”
A&A, 690, id. A309, 9 pp., (2024).
- RP-640 D. Malyshev, M. Chernyakova, F. Aharonian, and **A. Santangelo**
“Search of extended emission from HESS J1702-420 with eROSITA”
A&A, 690, id. A142, 6 pp., (2024).
- RP-639 M.M. Serim, ..., **A. Santangelo** and 5 co-authors
“Pulse frequency variations and timing noise of MXB 0656–072 during the 2007–2008 type I outbursts and implications for its magnetic field”
A&A, 690, id. A5, 7 pp., (2024).
- RP-638 G. Minervini, ..., **A. Santangelo** and 96 co-authors
“Managing the mass production for the LAD instrument onboard eXTP”
Proceedings of the SPIE, 13099, id. 130991D, 15 pp., (2024).
- RP-637 J-Q. Peng, ..., **A. Santangelo** and 11 co-authors
“Insight-HXMT, NICER, and NuSTAR Views to the Newly Discovered Black Hole X-Ray Binary Swift J151857.0–572147”
ApJL, 973, id. L7, 8 pp., (2024).
- RP-636 A. Tavleev, ..., **A. Santangelo** and 5 co-authors
“Soft X-ray emission from the classical nova AT 2018bej”

- A&A, 689, id. A335, 12 pp., (2024).
- RP-635 M. Michailidis, ..., **A. Santangelo** and 3 co-authors
 “A look at the high energy aspects of the supernova remnant G309.8+00.0 with eROSITA and Fermi-LAT”
 A&A, 689, id. A281, 11 pp., (2024).
- RP-634 G. Ghirlanda, ..., **A. Santangelo** and 68 co-authors
 “HERMES: Gamma-ray burst and gravitational wave counterpart hunter”
 A&A, 689, id. A175, 12 pp., (2024).
- RP-633 A. Guzman, ..., **A. Santangelo** and 8 co-authors
 “The on-board scientific software of the HERMES missions”
 Proceedings of the SPIE, 13093, id. 130936I, 10 pp., (2024).
- RP-632 G. Baroni, ..., **A. Santangelo** and 21 co-authors
 “The commissioning and early operations of the high-energy HERMES payload onboard SpIRIT”
 Proceedings of the SPIE, 13093, id. 130935O, 10 pp., (2024).
- RP-631 E. Perinati, ..., **A. Santangelo** and 7 co-authors
 “SRG/eROSITA background analysis and simulation”
 Proceedings of the SPIE, 13093, id. 130935N, 9 pp., (2024).
- RP-630 S. Diebold, ..., **A. Santangelo** and 5 co-authors
 “Measurements of the soft proton reflectivity on x-ray optics”
 Proceedings of the SPIE, 13093, id. 130935E, 8 pp., (2024).
- RP-629 E. Perinati, ..., **A. Santangelo** and 3 co-authors
 “Review of the ATHENA/WFI instrumental background and lessons learned from SRG/eROSITA”
 Proceedings of the SPIE, 13093, id. 130934C, 9 pp., (2024).
- RP-628 E. Bozzo, ..., **A. Santangelo** and 3 co-authors
 “THESEUS: Transient High Energy Sky and Early Universe Surveyor”
 Proceedings of the SPIE, 13093, id. 130932B, 7 pp., (2024).
- RP-627 C. Froning, ..., **A. Santangelo** and 53 co-authors
 “STROBE-X: capturing the universe in motion”
 Proceedings of the SPIE, 13093, id. 1309329, 7 pp., (2024).
- RP-626 Y. Evangelista, ..., **A. Santangelo** and 69 co-authors
 “The HERMES (High Energy Rapid Modular Ensemble of Satellites) Pathfinder mission”
 Proceedings of the SPIE, 13093, id. 130931Z, 13 pp., (2024).
- RP-625 M. Hernanz, ..., **A. Santangelo** and 59 co-authors
 “The Wide Field Monitor (WFM) of the China-Europe eXTP (enhanced X-ray Timing and Polarimetry) mission”
 Proceedings of the SPIE, 13093, id. 130931Y, 15 pp., (2024).
- RP-624 M. Feroci, ..., **A. Santangelo** and 135 co-authors
 “The Large Area Detector for the eXTP mission”
 Proceedings of the SPIE, 13093, id. 130931X, 15 pp., (2024).
- RP-623 Y. Tuo, ..., **A. Santangelo** and 8 co-authors
 “Revisiting the dead time effects of Insight-HXMT/ME on timing analysis”
 MNRAS, 532, 4, 4317-4325, (2024).

- RP-622 F. Aharonian, ..., **A. Santangelo** and 131 co-authors
 “Very-high-energy γ -Ray Emission from Young Massive Star Clusters in the Large Magellanic Cloud”
 ApJL, 970, id. L21, 15 pp., (2024).
- RP-621 F. Aharonian, ..., **A. Santangelo** and 141 co-authors (**H.E.S.S.** collaboration)
 “H.E.S.S. observations of the 2021 periastron passage of PSR B1259-63/LS 2883”
 A&A, 687, id. A219, 14 pp., (2024).
- RP-620 Q. Liu, ..., **A. Santangelo** and 4 co-authors
 “Temporal and spectral variations of the X-ray pulsar Cen X-3 observed by NuSTAR”
 A&A, 687, id. A210, 10 pp., (2024).
- RP-619 Y. Tuo, ..., **A. Santangelo** and 6 co-authors
 “Discovery of the First Antiglitch Event in the Rotation-powered Pulsar PSR B0540-69”
 ApJL, 967, id. L13, 10 pp., (2024).
- RP-618 H. Salzman, ..., **A. Santangelo** and 5 co-authors
 “Quality assurance of actuators for the Medium-Sized Telescopes of the Cherenkov Telescope Array”
 arXiv:2405.05058, (2024).
 7th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy, held 4-8 July 2022 in Barcelona, Spain
 Online at <https://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=417> , p.228, (2024)
- RP-617 D. Malyshev, E. Moulin, **A. Santangelo**
 “Limits on the Primordial Black Holes Dark Matter with current and future missions”
 arXiv: 2311.05942, (2024).
 Multifrequency Behaviour of High Energy Cosmic Sources XIV, 12-17 June 2023, Palermo, Italy
 Online at <https://pos.sissa.it/cgi-bin/reader/conf.cgi?confid=447> , id.18, (2024).
- RP-616 E. Bozzo, ..., **A. Santangelo** and 36 co-authors
 “Future Perspectives for Gamma-ray Burst Detection from Space”
 Universe, 10, id. 187, 30pp., (2024).
- RP-615 L-D. Kong, ..., **A. Santangelo** and 4 co-authors
 “Likely detection of magnetic field related LFQPO in the soft X-ray re-brightening of GRS~1915+105”
 A&A, 686, id. A211, 12 pp., (2024).
- RP-614 L. Ducci, ..., **A. Santangelo** and 7 co-authors
 “Probing the emission mechanism and nature of the pulsating compact object in the X-ray binary SAX J1324.4-6200”
 A&A, 685, id. A148, 11 pp., (2024).
- RP-613 M. Michailidis, ..., **A. Santangelo**, and 12 co-authors
 “Study of X-ray emission from the S147 nebula with SRG/eROSITA: X-ray imaging, spectral characterization and a multiwavelength picture”
 A&A, 689, id. A 277, 19 pp., (2024).
- RP-612 M. Michailidis, G. Pühlhofer, **A. Santangelo**, W. Becker and M. Sasaki
 “X-ray counterpart detection and gamma-ray analysis of the SNR G279.0+01.1 with eROSITA and Fermi-LAT”
 A&A, 685, id. A23, 28 pp. (2024).
- RP-611 E. Perinati, ..., **A. Santangelo** and 6 co-authors
 “Using SRG/eROSITA to estimate soft proton fluxes at the ATHENA detectors”

eprint arXiv:2401.17301., (2024).

- RP-610 I.I. Khabibullin, ..., **A. Santangelo** and 12 co-authors
“Study of X-ray emission from the S147 nebula by SRG/eROSITA: supernova-in-the-cavity scenario”
A&A, 689, id. 278, 12 pp., (2024).
- RP-609 W. Yu, ..., **A. Santangelo** and 10 co-authors
“Timing analysis of the newly discovered black hole candidate Swift J1727.8-1613 with Insight-HXMT”
MNRAS, 529, 4, 4624-4632, (2024).
- RP-608 F. Aharonian, ..., **A. Santangelo** and 132 co-authors (the **H.E.S.S.** collaboration)
“Curvature in the very-high energy gamma-ray spectrum of M87”
arXiv:2402.13330,
A&A, 685, id. A96, 10pp., (2024).
- RP-607 P. Roming, ..., **A. Santangelo** and 39 co-authors
“STROBE-X: A Probe-Class TDAMM Mission”
Bulletin of the AAS, 56, e-id: 2024n2i250p04, (2024).
- RP-606 A. Hutchesson, ..., **A. Santangelo** and 22 co-authors
“The Large Area Detector Design for the STROBE-X Mission”
Bulletin of the AAS, 56, e-id: 2024n2i360p16, (2024).
- RP-605 R. Farinelli, A. Waghmare, L. Ducci, **A. Santangelo**
“The polarization of the boundary layer around weakly magnetized neutron stars in X-ray binaries”
A&A, 684, id. A62, 9 pp., (2024).
- RP-604 Q. C. Shui, ..., **A. Santangelo** and 18 co-authors
“Cyclotron line evolution revealed with pulse-to-pulse analysis in the 2020 outburst of 1A 0535+262”
MNRAS, 528, pp. 7320-7332, (2024).
- RP-603 A. Vahdat, ..., **A. Santangelo** and 4 co-authors
“Multiwavelength Pulsations and Surface Temperature Distribution in the Middle-aged Pulsar B1055–52”
ApJ, 963, id. 138, 15 pp., (2024).
- RP-602 H. Xiao, ..., **A. Santangelo** and 6 co-authors
“Timing and Spectral Analysis of HMXB 4U 1700-37 Observed with Insight-HXMT”
ApJ, 963, id. 18, 10 pp., (2024).
- RP-601 I. Saathof, V. Doroshenko, **A. Santangelo**
“Blind source separation for decomposing X-ray pulsar profiles. Introducing phase-correlated variability analysis (PCVA) with a case study of Cen X-3”
A&A, 683, id. A52, 12 pp., (2024).
- RP-600 A. Merloni, ... **A. Santangelo** and 143 co-authors
“The SRG/eROSITA all-sky survey. First X-ray catalogues and data release of the western Galactic hemisphere”
A&A, 682, id. A34, 8 pp., (2024).
- RP-599 A. Merloni, ... **A. Santangelo** and 142 co-authors
“VizieR Online Data Catalog: SRG/eROSITA all-sky survey catalogs (eRASS1) (Merloni+, 2024)”
Originally published in: A&A, 682, id. A34, 8 pp., (2024).

- RP-598 R. M. T. Connors, ... **A. Santangelo** and 20 co-authors
 “The High Energy X-ray Probe (HEX-P): probing accretion onto stellar mass black holes”
 FrASS, 10, id. 1292682, (2024).
- RP-597 G. Abdellaoui, ... **A. Santangelo** and 293 co-authors (the **JEM-EUSO** collaboration)
 “EUSO-SPB1 mission and science”
 APh, 154, id. 102891, (2024).
- RP-596 M. Mirac Serim, ..., **A. Santangelo** and 5 co-authors
 “Pulse frequency variations and timing noise of MXB 0656–072 during the 2007–2008 type I outbursts and implications for its magnetic field”
 arXiv: 2312.08943
 A&A, 290, id. A5, 7pp., (2024).
- RP-595 F. Aharonian, ..., **A. Santangelo** and 165 co-authors (the **H.E.S.S.** collaboration)
 “Acceleration and transport of relativistic electrons in the jets of the microquasar SS 433”
 Science, 838, 6681, pp. 402-406, (2024)
- RP-594 F. Aharonian, ... **A. Santangelo** and 178 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of a radiation component from the Vela pulsar reaching 20 teraelectronvolts”
 NatAs, 7, pp. 1341-1350, (2023).
 Author correction. NatAs 8, p.145, (2024)
- RP-593 L. Ducci, P. Romano, S. Vercellone, **A. Santangelo**
 “Modelling the expected very high energy γ -ray emission from accreting neutron stars in X-ray binaries”
 MNRAS, 525, 3, pp. 3923-3945, (2023).
- RP-592 S. Abe, ... **A. Santangelo** and 173 co-authors (the **JEM-EUSO** collaboration)
 “Developments and results in the context of the JEM-EUSO program obtained with the ESAF simulation and analysis framework”
 EPJC, 83, 11, id.1028, (2023).
- RP-591 Q. C. Shui, S. Zhang, ... **A. Santangelo** and 21 co-authors
 “A Phase-resolved View of the Low-frequency Quasiperiodic Oscillations from the Black Hole Binary MAXI J1820+070”
 ApJ, 957, id.84, 15 pp., (2023).
- RP-590 V. Doroshenko, G. Pühlhofer, **A. Santangelo**
 “Expansion and ongoing cosmic ray acceleration in HESS J1731–347”
 A&A, 679, id. A152, 7 pp., (2023).
- RP-589 K. Abe, ... **A. Santangelo** and 563 co-authors (the **Cherenkov Telescope Array** consortium)
 “Prospects for γ -ray observations of the Perseus galaxy cluster with the Cherenkov Telescope Array”
 arXiv:2309.03712
 JCAP, 2024, id. 004, 104 pp., (2024).
- RP-588 E. S. Yorgancioglu, ... **A. Santangelo** and 8 co-authors
 “Spin measurement of 4U 1543-47 with Insight-HXMT and NICER from its 2021 outburst. A test of accretion disk models at high luminosity”
 A&A, 677, id. A79, 10 pp., (2023).
- RP-587 F. Aharonian, ... **A. Santangelo** and 155 co-authors (the **H.E.S.S.** collaboration)
 “The Vanishing of the Primary Emission Region in PKS 1510-089”
 ApJL 952, id. L38, 15 pp., (2023).

- RP-586 N. T. Nguyen-Dang, ... **A. Santangelo** and 4 co-authors
 “XMM-Newton observations of the TeV-discovered supernova remnant HESS J1534-571”
 A&A, 679, id. A48, 7 pp., (2023).
- RP-585 **A. Santangelo**, R. Madonia, S. Piraino
 “A Chronological History of X-Ray Astronomy Missions”
 In: C. Bambi and A. Santangelo (eds) “Handbook of X- and Gamma-Ray Astrophysics”
 DOI: 10.1007/978-981-16-4544-0_147-1, (2023)
- RP-584 M. M. Serim, ... **A. Santangelo** and 4 co-authors
 “Timing analysis of Swift J0243.6+6124 with NICER and Fermi/GBM during the decay phase of the 2017-2018 outburst”
 MNRAS, 522, pp. 6115-6122, (2023).
- RP-583 M. Klawin, ... **A. Santangelo** and 6 co-authors
 “Centaurus X-3 orbital ephemerides using Insight-HXMT, RXTE, Swift/BAT, and NuSTAR observations”
 A&A, 675, id. A135, 7 pp., (2023).
- RP-582 V. Doroshenko, ... **A. Santangelo** and 111 co-authors
 “Complex variations of X-ray polarization in the X-ray pulsar LS V+24 17/RX J0440.9+4431”
 A&A, 677, id. A57, 10 pp., (2023).
- RP-581 F. Aharonian, ... **A. Santangelo** and 160 co-authors (the **H.E.S.S.** collaboration)
 “Constraining the cosmic-ray pressure in the inner Virgo Cluster using H.E.S.S. Observation of M 87”
 A&A, 675, id. A138, 13 pp., (2023).
- RP-580 A. Acharyya, ... **A. Santangelo** and 208 co-authors (the **H.E.S.S.** collaboration)
 “Multiwavelength Observations of the Blazar PKS 0735+178 in Spatial and Temporal Coincidence with an Astrophysical Neutrino Candidate IceCube-211208A”
 ApJ, 954, id. 70, 14 pp., (2023).
- RP-579 A. Acharyya, ... **A. Santangelo** and 334 co-authors
 “Sensitivity of the Cherenkov Telescope Array to the TeV photon emission from the Large Magellanic Cloud”
 MNRAS, 523, 4, 5353-5387, (2023).
- RP-578 X. Dai, L. Kong, ... **A. Santangelo** and 5 co-authors
 “Evolution of disc and corona in MAXI J1348-630 during the 2019 reflare: NICER and Insight-HXMT view.”
 MNRAS, 521, 2, 2692-2703, (2023).
- RP-577 L. Ducci, C. Malacaria, ... **A. Santangelo** and 4 co-authors
 “X-ray flashes from the low-mass X-ray binary IGR J17407-2808.”
 A&A, 674, id. A100, 10 pp., (2023).
- RP-576 M. Michailidis, L. Marafatto, ... **A. Santangelo** and 8 co-authors
 “Prospects for annihilating dark matter from M31 and M33 observations with the Cherenkov Telescope Array.”
 JCAP, 2023, id. 073, 37 pp., (2023).
- RP-575 F. Aharonian, ... **A. Santangelo** and 165 co-authors (the **H.E.S.S.** collaboration)
 “Detection of extended gamma-ray emission around the Geminga pulsar with H.E.S.S.”
 A&A, 673, id. A148, 15 pp., (2023).
- RP-574 C. Malacaria, J. Heyl, ... **A. Santangelo** and 104 co-authors

- “A polarimetric-oriented X-ray stare at the accreting pulsar EXO 2030+375.”
A&A, 675, id. A 29, 10 pp., (2023).
- RP-573 S. Fischer, D. Malyshev, ... **A. Santangelo** and 1 co-author
“New constraints on decaying dark matter from INTEGRAL/SPI.”
MNRAS, 520, 4, 6322-6334, (2023).
- RP-572 F. Aharonian, ... **A. Santangelo** and 145 co-authors (the **H.E.S.S.** collaboration)
“Search for the evaporation of primordial black holes with H.E.S.S.”
JCAP, 2023, 04, id.040, 16 pp., (2023).
- RP-571 F. Aharonian, ... **A. Santangelo** and 151 co-authors (the **H.E.S.S.** collaboration)
“HESS J1809–193: A halo of escaped electrons around a pulsar wind nebula?”
A&A, 672, id. A103, 23 pp., (2023).
- RP-570 A. Avakyan, M. Neumann, ... **A. Santangelo** and 3 coauthor
“XRBcats: Galactic low-mass X-ray Binary Catalogue”
A&A, 675, id. A199, 14 pp., (2023).
- RP-569 M. Neumann, A. Avakyan, V. Doroshenko, and **A. Santangelo**
“XRBcats: Galactic High Mass X-ray Binary Catalogue”
A&A, 677, id. A134, 11 pp., (2023).
- RP-568 C. M. Diez, V. Grinberg, ... **A. Santangelo** and 7 co-authors
“Observing the onset of the accretion wake in Vela X-1”
A&A, 674, id. A147, (2023).
- RP-567 F. Aharonian, ... **A. Santangelo** and 160 co-authors
“H.E.S.S. Follow-up Observations of GRB 221009A”
ApJL, 946, 1, id. L27, 8 pp., (2023).
- RP-566 Y.F. Hu, L. Ji, ... **A. Santangelo** and 7 co-authors
“Beam Pattern Evolution of Accreting X-Ray Pulsar 1A 0535+262 during Its 2020 Giant Outburst”
ApJ, 945, 2, id.138, 12 pp., (2023).
- RP-565 C. Maitra, D. Kaltenbrunner, ... **A. Santangelo** and 12 co-authors
“Broadband study and the discovery of pulsations from the Be/X-ray binary eRASSU J052914.9-662446 in the Large Magellanic Cloud”
A&A, 669, id. A30, 11 pp., (2023).
- RP-564 V. Doroshenko, V. Suleimanov, ... **A. Santangelo** and 1 coauthor
“A strangely light neutron star within a supernova remnant”
NatAs, 6, 1444-1451, (2022).
- RP-563 V. Doroshenko, J. Poutanen, ... **A. Santangelo** and 91 co-authors
“Determination of X-ray pulsar geometry with IXPE polarimetry”
NatAs, 6, 1433-1443, (2022).
- RP-562 H. Abe, S. Abe, ... **A. Santangelo** and 441 co-authors
“Gamma-ray observations of MAXI J1820+070 during the 2018 outburst”
MNRAS, 517, 4, 4736-475, (2022).
- RP-561 M. Zhou, V. Grinberg, Q.-C. Bu, **A. Santangelo** and 11 co-authors
“The spectral-timing analysis of Cygnus X-1 with Insight-HXMT”
A&A, 666, id. A172, 17 pp., (2022).

- RP-560 H Abdalla, F. Aharonian, ... **A. Santangelo** and 137 co-authors
 “Search for Dark Matter Annihilation Signals in the H.E.S.S. Inner Galaxy Survey”
 PhysRevLett, 129, 11, id. 11110, (2022).
- RP-559 J. O. Chibueze, M. Caleb, ... **A. Santangelo** and 154 co-authors
 “A MeerKAT, e-MERLIN, H.E.S.S., and Swift search for persistent and transient emi.
 MNRAS, 515, 1, pp.1365-1379, (2022).
- RP-558 D. Malyshev, M. Emmanuel, **A. Santangelo**
 “Search for primordial black hole dark matter with X-ray spectroscopic and imaging satellite
 experiments and prospects for future satellite mission”
 PhysRevD, 106, 12, id.123020 12 pp., (2022).
- RP-557 P. J. Wang, L. Kong, ... **A. Santangelo** and 13 co-authors
 “Timing Properties of the X-Ray Accreting Pulsar 1A 0535+262 Studied with Insight-HXMT”
 ApJ, 935, 2, id.125, 10 pp., (2022).
- RP-556 E. Bozzo, ... **A. Santangelo** and 4 co-authors
 “Breakthrough Multi-Messenger Astrophysics with THESEUS”
 44th COSPAR Scientific Assembly. Held 16-24 July, 2022.
 Online at <https://www.cosparathens2022.org/>. Abstract E1.16-0005-22, (2022).
- RP-555 F. Lu, ... **A. Santangelo** and 7 co-authors
 “Overview of the enhanced X-ray Timing and Polarimetry Mission”
 44th COSPAR Scientific Assembly. Held 16-24 July, 2022.
 Online at <https://www.cosparathens2022.org/>. Abstract E1.15-0021-22, (2022).
- RP-554 F. Aharonian, H. Ashkar, ... **A. Santangelo** and 156 co-authors
 “A deep spectromorphological study of the γ -ray emission surrounding the young massive
 stellar cluster Westerlund 1”
 A&A, 666, id. A124, 18 pp., (2022).
- RP-553 L-D. Kong, S. Zhang, ... **A. Santangelo** and 15 co-authors
 “Insight-HXMT Discovery of the Highest-energy CRSF from the First Galactic Ultraluminous
 X-Ray Pulsar Swift J0243.6+6124”
 ApJL, 933, 1, id. L3, 9 pp., (2022).
- RP-552 G. Stratta, **A. Santangelo**
 “X- and Gamma-ray astrophysics in the era of Multi-messenger astronomy”
 In: C. Bambi and A. Santangelo (eds) “Handbook of X- and Gamma-Ray Astrophysics”
 Id. 104, arXiv:2205.10774, (2022)
- RP-551 A. Schwabe, A. Pires, ... **A. Santangelo** and 14 co-authors
 “Phase-resolved X-ray spectroscopy of PSR B0656+14 with SRG/eROSITA and
 XMM-Newton”
 A&A, 661, id. A41, 21 pp., (2022).
- RP-550 L. Ducci, S. Mereghetti, **A. Santangelo** and 8 co-authors
 “eROSITA detection of flares from the Be/X-ray binary A0538-66”
 A&A, 661, id. A22, 6 pp., (2022).
- RP-549 V. Doroshenko, R. Staubert, ... **A. Santangelo** and 12 co-authors
 “SRGA J124404.1-632232/SRGU J124403.8-632231: New X-ray pulsar discovered in the all-
 sky survey by the SRG”
 A&A, 661, id. A21, 7 pp., (2022).
- RP-548 N. Vulic, A. Hornschemeier, ... **A. Santangelo** and 17 co-authors

- “The eROSITA Final Equatorial-Depth Survey (eFEDS). Presenting the demographics of X-ray emission from normal galaxies”
A&A, 661, id. A16, 17 pp., (2022).
- RP-547 H. Brunner, T. Liu, ... **A. Santangelo** and 35 co-authors
“The eROSITA Final Equatorial Depth Survey (eFEDS). X-ray catalogue”
A&A, 661, id. A1, 25 pp., (2022).
- RP-546 L-D. Kong, S. Zhang, ... **A. Santangelo** and 10 co-authors
“Phase dependent evolution within large luminosity range of 1A 0535+262 observed by Insight-HXMT during 2020 giant outburst”
ApJ, 932, 2, id.106, 12 pp., (2022).
- RP-545 F. Aharonian, ... **A. Santangelo** and 172 co-authors (the **HESS** collaboration)
“Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi”
Science, Volume 376, Issue 6588, pp. 77-80, (2022).
- RP-544 G. Stratta, L. Amati, ... **A. Santangelo** and 6 co-authors
“Breakthrough Multi-Messenger Astrophysics with the THESEUS Space Mission”
Galaxies, vol. 10, issue 3, 60 (2022).
- RP-543 C.M. Diez, V. Grinberg, ... **A. Santangelo** and 7 co-authors
“Continuum, cyclotron line, and absorption variability in the high-mass X-ray binary Vela X-1”
A&A, 660, id. A19, 18 pp., (2022).
- RP-542 J.H. Adams, S. Ahmad, ... **A. Santangelo** and 91 co-authors
“A Review of the EUSO-Balloon Pathfinder for the JEM-EUSO Program”
SSRv, 218, 1, id.3, 34 pp., (2022).
- RP-541 S. Aiello, ... **A. Santangelo** and 240 co-authors
“Determining the Neutrino Mass Ordering and Oscillations Parameters with KM3NeT/ORCA”
EPJC, 82, id. 26, (2022).
- RP-540 F. Aharonian, ... **A. Santangelo** and 157 co-authors (the **H. E. S. S.** collaboration),
“Evidence for gamma-ray emission from the remnant of Kepler’s supernova based on deep H.E.S.S. observations”
A&A, 662, id. A65, 9 pp., (2022).
Corrigendum A&A, 683, id. C1, 2pp., (2024).
- RP-539 G. Abdellaoui, ... **A. Santangelo** and 290 co-authors (the **JEM-EUSO** collaboration)
“JEM-EUSO Collaboration contributions to the 37th International Cosmic Ray Conference”
arXiv:2201.12246 (2022).
- RP-538 A. Vahdat, B. Posselt, **A. Santangelo** G.G. Pavlov
“Toward an X-ray inventory of nearby neutron stars”
A&A 658, id. A95, 10 pp., (2022).
- RP-537 H. Abdalla, ... **A. Santangelo** and 150 co-author
“H.E.S.S. follow-up observations of Binary Black Hole Coalescence events during the second and third Gravitational Waves observing runs of Advanced LIGO and Advanced Virgo”
ApJ, 923, id. 109, 15 pp., (2021).
- RP-536 A. Marinelli, A. Ambrosone, ... **A. Santangelo** and 304 co-authors
“KM3NeT/ARCA expectations in view of a novel multimessenger study of starburst galaxies”
JInst, 16, 12, id.C12016, 10 pp., (2021).
- RP-535 S. Mereghetti, S. Balman, ... **A. Santangelo** and 74 co-authors
“Time domain astronomy with the THESEUS satellite”

ExA, 52, 3, 309-406, (2021).

- RP-534 L. Amati, ... **A. Santangelo** and 32 co-authors
“The THESEUS space mission: science goals, requirements and mission concept”
Experimental Astronomy, 52, 183-218, (2021).
- RP-533 C.B.Adams, W. Benbow, ... **A. Santangelo** and 414 coauthors
“Observation of the Gamma-Ray Binary HESS J0632+057 with the H.E.S.S., MAGIC, and VERITAS Telescopes”
ApJ, 923, 2, id.241, 30 pp., (2021).
- RP-532 H. Abdalla, ...**A. Santangelo** and 226 co-authors (the **H.E.S.S.** collaboration)
“LMC N132D: A mature supernova remnant with a power-law gamma-ray spectrum extending beyond 8 TeV”
A&A 655, id. A7, 13 pp., (2021).
- RP-531 S. Aiello, ...**A. Santangelo** and 246 co-authors (the **KM3NeT** collaboration)
“Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA”
JHEP, 2021, 10, id. 180, 26 pp., (2021).
- RP-530 J.H. Adams, L. Allen, ... **A. Santangelo** and 63 co-authors
“Extreme Universe Space Observatory on a Super Pressure Balloon 1 calibration: from the laboratory to the desert”
ExA, 52, 1-2, 125-140, (2021).
- RP-529 R. Amato, S. Diebold, ... **A. Santangelo** and 4 co-authors
“Scattering efficiencies measurements of soft protons at grazing incidence from an Athena Silicon Pore Optics sample”
ExA, 52, 1-2, 109-123, (2021).
- RP-528 H. Abdalla, F. Aharonian, ... **A. Santangelo** and 251 co-authors
“Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during its 2020 X-Ray and Radio Bursting Phase”
ApJ, 919, 2, id.106, 9 pp., (2021).
- RP-527 Q-C. Bu, S-N. Zhang, **A. Santangelo** and 90 co-authors
“Broadband Variability Study of Maxi J1631-479 in Its Hard-intermediate State Observed with Insight-HXMT”
ApJ, 919, 2, id.92, 9 pp., (2021).
- RP-526 H. Abdalla, F. Aharonian, ... **A. Santangelo** and 229 co-authors
“Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.”
ApJ., 918, 1, id. 17, 14 pp., (2021).
- RP-525 H. Abdalla, F. Aharonian, ... **A. Santangelo** and 232 co-authors
“Evidence of 100 TeV γ -ray emission from HESS J1702-420: A new PeVatron candidate”
A&A, 653, id. A 152, 21 pp., (2021).
- RP-524 L-D. Kong, S. Zhang, ... **A. Santangelo** and 11 co-authors
“Luminosity Dependence of the Cyclotron Line Energy in 1A 0535+262 Observed by Insight-HXMT during the 2020 Giant Outburst”
ApJL, 917, 2, id. L38, 10 pp., (2021).
- RP-523 H. Abdalla, F. Aharonian, ... **A. Santangelo** and 321 co-authors
“TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.”
ApJ, 917, 1, id.6, 16 pp., (2021).

- RP-522 M. Chernyakova, D. Malyshev, ... **A. Santangelo** and 9 co-authors
 “Multi-Wavelength Properties of the 2021 Periastron Passage of PSR B1259-63”
 Universe, 7, 7, 242, (2021).
- RP-521 S. Molkov, V. Doroshenko, ... **A. Santangelo** and 4 co-authors
 “Discovery of the 5 keV Cyclotron Line Followed by Three Harmonics in Swift J1626.6-5156”
 ApJL, 915, 2, id. L27, 8 pp., (2021).
- RP-520 J. Adams, ... **A. Santangelo** and 63 co-authors
 “Extreme Universe Space Observatory on a Super Pressure Balloon 1 calibration: from the laboratory to the desert”
 ExA, 52, 1-2, 125-140, (2021).
- RP-519 P. Predehl, ... **A. Santangelo** and 91 co-authors
 “The eROSITA X-ray telescope on SRG”
 A&A, 647, id. A1, 16 pp., (2021).
- RP-518 L. Burderi, ... **A. Santangelo** and 31 co-authors
 “GrailQuest: hunting for Atoms of Space and Time hidden in the wrinkle of Space-Time”
 ExA, 51,3,1255-1297, (2021).
- RP-517 H. Abdalla, ... **A. Santangelo** and 236 co-authors (the **H.E.S.S.** collaboration)
 “Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow”
 Science, 372, 6546, 1081-1085, (2021).
- RP-516 J. Liu, L. Ji, ... **A. Santangelo** and 8 co-authors
 “Disc versus wind accretion in X-ray pulsar GX 301-2”
 MNRAS, 504, 2493-2500, (2021).
- RP-515 H. Abdallah, ... **A. Santangelo** and 234 co-authors (the **H.E.S.S.** collaboration)
 “Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.”
 PhRvD, 103, id.102002, 13 pp., (2021).
- RP-514 C. Thorpe-Morgan, D. Malyshev, C.A. Stegen, **A. Santangelo** J. Jochum
 “Annihilating dark matter search with 12 yr of Fermi LAT data in nearby galaxy clusters”
 MNRAS, 502, 4039-4047, (2021).
- RP-513 J. C. Algaba, ... **A. Santangelo** and 743 co-authors (the **EHT MWL Science Working Groups**)
 “Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign”
 AJL, 911, id. L11, 43 pp., (2021).
- RP-512 R. Amato, ... **A. Santangelo** and 7 co-authors
 “Looking through the photonisation wake: Vela X-1 at $\phi_{\text{orb}} \approx 0.75$ with Chandra/HETG”
 A&A, 648, id. A105, 13 pp., (2021).
- RP-511 H. Abdalla, ... **A. Santangelo** and 431 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy gamma-ray flare in PKS 1510-089 in May 2016”
 A&A 648, id. A23, 22 pp., (2021).
- RP-510 V. Doroshenko, **A. Santangelo** S.S Tsygankov, L. Ji
 “SGR 0755-2933: a new high-mass X-ray binary with the wrong name”
 A&A, 647, id. A165, 6 pp., (2021).

- RP-509 L. Amati, P.T Brien, D. Goetz, E. Bozzo, **A. Santangelo** (the **THESEUS** consortium)
 “The THESEUS space mission: updated design, profile and expected performances”
 Proceeding of the SPIE 2020, 11444, id. 114442J, 12 pp., (2021).
- RP-508 S. Aiello, ... **A. Santangelo** and 255 co-authors (the **KM3NeT** collaboration)
 “The KM3NeT potential for the next core-collapse supernova observation with neutrinos”
 EPJC, 81, id. 445, 21 pp., (2021).
- RP-507 L. Ji, ... **A. Santangelo** and 101 co-authors
 “X-ray reprocessing in accreting pulsar GX 301-2 observed with Insight-HXMT”
 MNRAS, 501, 2522-2530, (2021).
- RP-506 J. Knies, ... **A. Santangelo** and 9 co-authors
 “The flux of 2S1417-624 is still rising”
 The Astronomer’s Telegram, No. 14394 (2021).
- RP-505 M. Vahdat, ... **A. Santangelo**, B. Posselt, C. Tenzer
 “Towards an unbiased X-ray inventory of nearby neutron stars”
 43rd COSPAR Scientific Assembly, Abstract E1.9-0015-21, id. 1717, (2021).
- RP-504 S. Aiello, ... **A. Santangelo** and 246 co-authors
 “Architecture and performance of the KM3NeT front-end -firmware”
 JATIS, 7, id. 016001, (2021).
- RP-503 F. Fuschino, ... **A. Santangelo** and 33 coauthor
 “The XGIS instrument on-board THESEUS: the detection plane and on-board electronics”
 Proceedings of the SPIE, 11444, id. 114448R, 14 pp., (2020).
- RP-502 A. Guzman, S. Pliego, ... **A. Santangelo** and 14 co-authors
 “The Payload Data Handling Unit (PDHU) on-board the HERMES-TP and HERMES-SP
 CubeSat Missions”
 Proceedings of the SPIE, 11444, id. 1144450, 11 pp., (2020).
- RP-501 L. Burderi, ... **A. Santangelo** and 104 co-authors
 “GrailQuest and HERMES: hunting for gravitational wave electromagnetic counterparts and
 probing space-time quantum foam”
 Proceedings of the SPIE, 11444, id. 114444Y, 19 pp., (2020).
- RP-500 A. Sanna, ... **A. Santangelo** and 97 co-authors
 “Timing techniques applied to distributed modular high-energy astronomy: The H.E.R.M.E.S
 project”
 Proceedings of the SPIE, Volume 11444, id. 114444X, 19 pp., (2020).
- RP-499 C. Labanti, ... **A. Santangelo** and 59 co-authors
 “The X/Gamma-ray Imaging Spectrometer (XGIS) on-board THESEUS: design, main
 characteristics, and concept of operation”
 Proceedings of the SPIE, 11444, id. 114442K, 19 pp., (2020).
- RP-498 Y. Evangelista, ... **A. Santangelo** and 101 co-authors
 “The scientific payload on-board the HERMES-TP and HERMES-SP CubeSat missions”
 Proceedings of the SPIE, 11444, id. 114441T, 16 pp., (2020).
- RP-497 F. Fiore, ... **A. Santangelo** and 97 co-authors
 “The HERMES-technologic and scientific pathfinder”
 Proceedings of the SPIE, 11444, id. 114441R, 15 pp., (2020).
- RP-496 M. Freyber, ... **A. Santangelo** and 16 co-authors
 “SRG/eROSITA in-flight background at L2”

Proceedings of the SPIE, 11444, id. 114441O, 19 pp., (2020).

- RP-495 C. Thorpe-Morgan, ... **A. Santangelo** and 5 co-authors
 “THESEUS insights to axionlike particles, dark photon, and sterile neutrino dark matter”
 PhysRev. D, 102, id. 123003, (2020).
- RP-494 H. Abdallah, ... **A. Santangelo** and 237 co-authors (the **H.E.S.S.** collaboration)
 “An extreme particle accelerator in the Galactic plane: HESS J1826-130”
 A&A, 644, id. A112, 8 pp., (2020).
- RP-493 S. Aiello, ... **A. Santangelo** and 252 coauthor
 “Deep-sea deployment of the KM3NeT neutrino telescope detection units by self-unrolling”
 Journal of Instrumentation, 15, id. P11027, (2020).
- RP-492 S. Aiello, ... **A. Santangelo** and 237 coauthor
 “gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes”
 Computer Phy. Communications, 256, id.107477, (2020).
- RP-491 S. Aiello, ... **A. Santangelo** and 222 coauthor
 “The Control Unit of the KM3Net Data Acquisition System”
 Computer Phy. Communications, 256, id.107433, (2020).
- RP-490 V. Doroshenko, V. Suleimanov, S. Tsygankov, J. Mönkönnen, L. Ji, and A. Santangelo
 “Observations of GRO J1744-28 in quiescence with XMM-Newton”
 A&A, 643, id. A62, 9 pp., (2020).
- RP-489 V. Doroshenko, **A. Santangelo** V. Suleimanov, S. Tsygankov
 “An observational argument against accretion in magnetars”
 A&A, 643, id. A173, 4 pp., (2020).
- RP-488 B-S. Liu, ... **A. Santangelo** and 8 co-authors
 “A Peculiar Cyclotron Line near 16 keV Detected in the 2015 Outburst of 4U 0115+63?”
 ApJ, 900, 1, id.41, 10 pp., (2020).
- RP-487 H. Abdallah, ... **A. Santangelo** and 237 co-authors (the **H.E.S.S.** collaboration)
 “Search for dark matter signals towards a selection of recently-detected DES dwarf galaxy
 satellites of the Milky Way with H.E.S.S.”
 Phys. Rev. D, 102, id. 062001, (2020).
- RP-486 M. Y. Ge ... **A. Santangelo** and 122 co-authors
 “Insight-HXMT Firm Detection of the Highest-energy Fundamental Cyclotron Resonance
 Scattering Feature in the Spectrum of GRO J1008-57”
 ApJ Letters, 899, 1, id. L19, (2020).
- RP-485 D. Malyshev, C. Thorpe-Morgan, **A. Santangelo**, J. Jochum, S-N. Zhang,
 “eXTP perspectives for the ν MSM sterile neutrino dark matter model”
 Phys. Rev. D, 101, 12, id.123009, (2020).
- RP-484 H. Abdallah, ... **A. Santangelo** and 237 co-authors (the **H.E.S.S.** collaboration)
 “Simultaneous observations of the blazar PKS 2155-304 from ultra-violet to TeV energies”
 A&A, 639, id. A42, 13 pp. (2020).
- RP-483 P. Kretschmar, ... **A. Santangelo** and 49 co-authors
 “Advances in Understanding High-Mass X-ray Binaries with INTEGRAL and Future
 Directions”
 New Astronomy Reviews, 86, id. 101546, (2020).
- RP-482 H. Abdallah, ... **A. Santangelo** and 231 co-authors (the **H.E.S.S.** collaboration)

- “Probing the Magnetic Field in the GW170817 Outflow Using H.E.S.S. Observations”
ApJ Letters, 894, 2, id. L16, 5 pp. (2020).
- RP-481 S. Tsygankov, ... **A. Santangelo** and 7 co-authors
“The unusual behavior of the young X-ray pulsar SXP 1062 during the 2019 outburst”
A&A, 637, id. A33, 6 pp. (2020).
- RP-480 R. Amato, ... **A. Santangelo** and 10 co-authors
“Soft proton scattering at grazing incidence from X-ray mirrors: analysis of experimental data in the framework of the non-elastic approximation”
Exp. Astron. 49, 3, 115-140, (2020).
- RP-479 H. Abdallah, ... **A. Santangelo** and 232 co-authors (the **H.E.S.S.** collaboration)
“Very high energy γ -ray emission from two blazars of unknown redshift and upper limits on their distance”
MNRAS, 494, 4, 5590-5602, (2020).
- RP-478 H. Abdallah, ... **A. Santangelo** and 232 co-authors (the **H.E.S.S.** collaboration)
“Detection of very-high-energy γ -ray emission from the colliding wind binary η Car with H.E.S.S.”
A&A, 635, id. A167, 8 pp. (2020).
- RP-477 H. Abdallah, ... **A. Santangelo** and 223 co-authors (the **H.E.S.S.** collaboration)
“Resolving acceleration to very high energies along the jet of Centarus A”
Nature, 582, 356-359, (2020).
- RP-476 L. Q. Qi, ... **A. Santangelo** and 19 co-authors
“Geant4 simulation for the responses to X-rays and charged particles through the eXTP focusing mirrors”
NIMPA, 963, id. 163702, (2020).
- RP-475 R. Doroshenko, S. Piraino, V. Doroshenko, **A. Santangelo**
“Revisiting BeppoSAX and NuSTAR observations of KS 1947+300 and the missing cyclotron line”
MNRAS, 493, 3, 3442-3448 (2020).
- RP-474 L. Ji, L. Ducci, **A. Santangelo** and 124 co-authors
“Switches between accretion structures during flares in 4U 1901+03”
MNRAS, 493, 4, 5680-5692 (2020).
- RP-473 C. Güngör, ... **A. Santangelo** and 111 co-authors
“Diagnostic of the spectral properties of Aquila X-1 by Insight-HXMT snapshots during the early propeller phase”
JHEAp, 25, p. 10-16. (2020).
- RP-472 V. Doroshenko, ... **A. Santangelo** and 115 co-authors
“Hot disc of the Swift J0243.6+6124 revealed by Insight-HXMT”
MNRAS, 491, 2, 1857-1867 (2020).
- RP-471 V. Doroshenko, ... **A. Santangelo** and 6 co-authors
“First characterization of Swift J1845.7-0037 with NuSTAR”
A&A, 634, id. A89, 6 pp. (2020).
- RP-470 L. Ji, ... **A. Santangelo** and 114 co-authors
“Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT”
MNRAS, 491, 2, 1851-1856, (2020).
- RP-469 H. Abdallah, ... **A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)

- “H.E.S.S. detection of very high-energy γ -ray emission from the quasar PKS 0736+017”
A&A, 633, id. A162, (2020).
- RP-468 H. Abdallah, ... **A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. and Fermi-LAT observation of PRS B1259-63/LS 2883 during its 2014 and 2017 periastron passage”
A&A, 633, id. A102, (2020).
- RP-467 H. Abdallah, ... **A. Santangelo** and 226 co-authors (the **H.E.S.S.** collaboration)
“A very-high-energy component deep in the γ -ray burst afterglow”
Nature, 575, 7783, 464-467 (2019).
- RP-466 Y. P. Chen ... **A. Santangelo** and 112 co-authors
“Insight-HXMT observation on 4U 1608-52: Evolving spectral properties of a bright type-I X-ray burst”
JHEAp, 24, 23-29, (2019).
- RP-465 V. Doroshenko, D. Malyshev, G. Pühlhofer, B Dincel, M. Sasaki, **A. Santangelo**
“XMM-Newton and Fermi/LAT view on the supernova remnant 3C434.1”
A&A, 631, A179, 5 pp., (2019)
- RP-464 L. Ducci, P. Romano, L. Ji, **A. Santangelo**
“Accretion disc by Roche lobe overflow in the supergiant fast X-ray transient IGR J08408-4503”
A&A, 631, A135, 5 pp., (2019)
- RP-463 H. Abdallah, ... **A. Santangelo** and 221 co-authors (the **H.E.S.S.** collaboration)
“Resolving the Crab pulsar wind nebula at teraelectronvolt energies”
NatAs 4, p. 167-173, (2019).
- RP-462 G. Pühlhofer ... **A. Santangelo** and 32 co-authors
“FlashCam: a fully digital camera for the Cherenkov telescope array medium-sized telescopes”
Proceedings of the SPIE, Volume 11119, id. 111191V, 7 pp. (2019).
- RP-461 G. Abdellaoui ... **A. Santangelo** and 312 co-authors (**JEM-EUSO** collaboration)
“Ultra-violet imaging of the night-time earth by EUSO-Balloon towards space-based ultra-high energy cosmic ray observations”
APh, 111, 54-71 (2019).
- RP-460 A. Acharyya, ... **A. Santangelo** and 468 co-authors
“Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout”
APh, 111, 35-53 (2019).
- RP-459 S. Sailer, ... **A. Santangelo** and 34 co-authors
“Trigger performance verification of the FlashCam prototype camera”
NIMPA, 936, 392-393, (2019).
- RP-458 F. Fuschino, ... **A. Santangelo** and 42 co-authors
“HERMES: An ultra-wide band X and gamma-ray transient monitor on board a nano-satellite constellation”
NIMPA, 936, 199-203, (2019).
- RP-457 H. Abdallah, ... **A. Santangelo** and 223 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. observations of the flaring gravitationally lensed galaxy PKS 1830-211”
MNRAS, 486, 3, 3886 (2019)
- RP-456 Y. Zhang, ... **A. Santangelo**... and 109 co-authors
“Insight-HXMT Observations of Swift J0243.6+6124 during Its 2017–2018 Outburst”,
ApJ, 879, 1, 61 (2019).

- RP-455 L. Ducci, S. Mereghetti, **A. Santangelo**
 “Awakening of the Fast-spinning Accreting Be/X-Ray Pulsar A0538—66”
 ApJ Letters, 881, 1, L17, (2019).
- RP-454 D. Malyshev, M. Chernyakova, **A. Santangelo** G. Pühlhofer,
 “Decade-long X-ray observations of HESS J0632+057”
 Astronomische Nachrichten, 340, 6, 465-474 (2019).
- RP-453 H. Abdallah, ... **A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)
 “Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through
 VHE γ -ray observations with H.E.S.S.”
 A&A, 627, A159, 19 (2019)
- RP-452 H. Abdallah, ... **A. Santangelo** and 222 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. and Suzaku observations of the Vela X pulsar wind nebula”
 A&A, 627, A100, 16 pp., (2019).
- RP-451 H. Abdallah, ... **A. Santangelo** and 222 co-authors (the **H.E.S.S.** collaboration)
 VizieR Online Data Catalog: HESS and Suzaku observations of Vela X (HESS Coll+, 2019)
 Originally published in: A&A, 627, A100, (2019).
- RP-450 H. Abdallah, ... **A. Santangelo** and 222 co-authors (the **H.E.S.S.** collaboration)
 “Upper limits on very-high-energy gamma-ray emission from core-collapse supernovae
 observed with H.E.S.S.”
 A&A, 626, A57, 11pp., (2019).
- RP-449 L. Ducci, ... **A. Santangelo** and 4 co-authors
 “Exploring the role of X-ray reprocessing and irradiation in the anomalous bright optical
 Outbursts of A0538-66”
 A&A, 624, A9 (2019).
- RP-448 R. Staubert, ... **A. Santangelo** and 11 co-authors
 “Cyclotron lines in highly magnetized neutron stars”
 A&A, 622, A61, 30 pp., (2019).
- RP-447 S. M. Mazzola, ... **A. Santangelo** and 9 co-authors
 “A broadband spectral analysis of 4U 1702-429 using XMM-Newton and BeppoSAX data”
 A&A, 621, A89 (2019).
- RP-446 J. J. M. in't Zand, ... **A. Santangelo** and 182 co-authors
 “Observatory science with eXTP”,
 Science China Physics, Mechanics & Astronomy, 62, id. 29506, 42 pp., (2019).
- RP-445 **A. Santangelo**
 “Editorial”
 Science China Physics, Mechanics & Astronomy, 62, id. 29501, 2 pp., (2019).
- RP-444 **A. Santangelo** S. Zane ... and 38 co-authors
 “Physics and astrophysics of strong magnetic field systems with eXTP”
 Science China Physics, Mechanics & Astronomy, 62, 29505, 23 pp., (2019).
- RP-443 Anna L. Watts, ... **A. Santangelo** and 74 co-authors
 “Dense matter with eXTP”,
 Science China Physics, Mechanics & Astronomy, 62, id. 29503, 17 pp., (2019).
- RP-442 L. Ji, ... **A. Santangelo** and 4 co-authors

- “Long-term evolutions of the cyclotron line energies in Her X-1, Vela X-1 and Cen X-3 as observed with Swift/BAT”
MNRAS, 484, 3797-3805, (2019).
- RP-441 L. Ducci, ... **A. Santangelo** and 6 co-authors
“X-ray and optical monitoring of the December 2017 outburst of the Be/X-ray binary AX J0049.4-7323”
A&A, 621, A94, 8 pp., (2019).
- RP-440 L. Ji, **A. Santangelo** and 6 co-authors
“Spectral and timing analysis of the bursting pulsar GRO J1744-28 with RXTE observations”
MNRAS, 482, 1110, (2019).
- RP-439 H. Abdalla, ... **A. Santangelo** and 232 co-authors
“VHE γ -ray discovery and multiwavelength study of the blazar 1ES 2322-409”
MNRAS, 482, 3011, (2019).
- RP-438 A. Rosa, **A. Santangelo** and 99 co-authors
“Accretion in strong field gravity with eXTP”
Science China Physics, Mechanics & Astronomy, 62, id. 29504, 29 pp., (2019).
- RP-437 S. Zhang, **A. Santangelo** and 151 co-authors
“The enhanced X-ray Timing and Polarimetry mission—eXTP”
Science China Physics, Mechanics & Astronomy, 62, id. 29502, 25 pp., (2019).
- RP-436 H. Abdalla, ... **A. Santangelo** and 227 co-authors
“The 2014 TeV γ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation”
The ApJ, 870, 2, 93, (2019).
- RP-435 H. Abdalla, ... **A. Santangelo** and 225 co-authors (the **H.E.S.S.** collaboration)
“Particle Transport within the Pulsar Wind Nebula HESS J1825-137”
A&A, 621, A116, 18 pp., (2019).
- RP-434 H. Abdallah, ... **A. Santangelo** and 253 co-authors (the **H.E.S.S.** collaboration)
VizieR Online Data Catalog: HESS J1825-137 particle transport (H.E.S.S. Collaboration, 2019)
VizieR On-line Data Catalog: J/A+A/621/A116. Originally published in:
A&A, 621, A116, 18 pp., (2019).
- RP-433 H. Abdalla, ... **A. Santangelo** and 231 co-authors (the **H.E.S.S.** collaboration)
“The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT”
A & A, 617, id. A73, 7 pp., (2018).
- RP-432 V. Doroshenko, S. Tsygankov and **A. Santangelo**
“Orbit and intrinsic spin-up of the newly discovered transient X-ray pulsar Swift J0243.6+6124”
A&A, 613, 4, (2018).
- RP-431 H. Abdalla, ... **A. Santangelo** and 230 co-authors (the **H.E.S.S.** collaboration)
“First ground-based measurement of sub-20 GeV to 100 GeV γ -Rays from the Vela pulsar with H.E.S.S. II”
A&A, 620, id. A66, 14 pp., (2018).
- RP-430 M. Sasaki, M.M. Mäkelä, D. Klochkov, **A. Santangelo** and v. Suleimanov
“Infrared and X-ray study of the Galactic SNR G15.9+0.2”
MNRAS, 479, p.3033, (2018).
- RP-429 M. Cirelli, ... **A. Santangelo** and 233 co-authors

- “Searches for gamma-ray lines and 'pure WIMP' spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.”
Journal of Cosmology and Astroparticle Physics, 11, 37, (2018).
- RP-428 E. Perinati, D. Spiga, **A. Santangelo** and C. Tenzer
“A magnetic electron repeller to improve the ATHENA/WFI background level”
Proceedings of the SPIE, 10699, 6, (2018).
- RP-427 M. Hernanz, ... **A. Santangelo** and 38 co-authors
“The wide field monitor onboard the eXTP mission”
Proceedings of the SPIE, 10699, 16, (2018).
- RP-426 M. Feroci, ... **A. Santangelo** and 70 co-authors
“The Large Area Detector onboard the eXTP mission”
Proceedings of the SPIE, 10699, 15, (2018).
- RP-425 H. Abdalla, ... **A. Santangelo** and 251 co-authors (the **H.E.S.S.** collaboration)
“VizieR Online Data Catalog: HESS Galactic supernova remnants (Hess+, 2018)”
VizieR On-line Data Catalog: J/A+A/612/A3. Originally published in: A&A (2018).
- RP-424 S. Treuz, V. Doroshenko, **A. Santangelo** and R. Staubert
“Distances to Accreting X-ray pulsars: impact of the Gaia DR2”
eprint arXiv:1806.11397, (2018).
- RP-423 H. Abdalla, ... **A. Santangelo** and 254 co-authors
“Search for γ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.”
Phys. Rev. Letters, 120, (2018).
- RP-422 L. Amati, ... **A. Santangelo** and 209 co-authors
“The THESEUS space mission concept: science case, design and expected performances”
Advances in Space Research, 62, 1, 191-244, (2018).
- RP-421 L. Ji, **A. Santangelo**, S. Zhang, L. Ducci and V. Suleimanov
“Swift observations of GS 1826-238”
MNRAS, 474, 1583, (2018).
- RP-420 H. Abdalla, ... **A. Santangelo** and 244 co-authors (the **H.E.S.S.** collaboration)
“Detection of variable VHE γ -ray emission from the extra-galactic γ -ray binary LMC P3”
A&A, 610, id. L17, 5 pp., (2018).
- RP-419 V. Doroshenko, V. Suleimanov and **A. Santangelo**
“CXOU J160103.1-513353: another CCO with a carbon atmosphere?”
A&A, 618, A76, (2018)
- RP-418 V. Vybornov, V. Doroshenko, R. Staubert and **A. Santangelo**
“Changes in the cyclotron line energy on short and long timescales in V0332+53”
A&A, 610, id. A88, 7 pp., (2018).
- RP-417 D. Malyshev, A. Neronov, D. Semikoz, **A. Santangelo**, and J. Jochum
“Improved limits on axion-like particles from gamma ray data on Perseus Cluster”
eprint arXiv:1805.04388, (2018).
- RP-416 H. Abdalla, ... **A. Santangelo** and 254 co-authors (the **H.E.S.S.** collaboration)
“The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey”
A&A, 612, id. A2, 25 pp., (2018).

- RP-415 H. Abdalla, ... **A. Santangelo** and 250 co-authors (the **H.E.S.S.** collaboration)
 “Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.”
 A&A, 612, id. A3, 18 pp., (2018).
- RP-414 H. Abdalla, ... **A. Santangelo** and 257 co-authors (the **H.E.S.S.** collaboration)
 “The H.E.S.S. Galactic plane survey”
 A&A, 612, id. A1, 61 pp., (2018).
- RP-413 H. Abdalla, ... **A. Santangelo** and 253 co-authors (the **H.E.S.S.** collaboration)
 “The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT”
 A&A, 612, id. A5, 10 pp., (2018).
- RP-412 H. Abdalla, ... **A. Santangelo** and 254 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. observations of RX J1713.7-3946 with improved angular and spectral resolution
 Evidence for gamma-ray emission extending beyond the X-ray emitting shell”
 A&A, 612, id. A6, 25 pp., (2018).
- RP-411 H. Abdalla, ... **A. Santangelo** and 254 co-authors (the **H.E.S.S.** collaboration)
 “VizieR Online Data Catalog: RX J1713.7-3946 HESS spectrum (HESS+, 2018)”
 VizieR On-line Data Catalog: J/A+A/612/A6. Originally published in:
 A&A, 612, id. A6, (2018).
- RP-410 H. Abdalla, ... **A. Santangelo** and 260 co-authors (the **H.E.S.S.** collaboration)
 “VizieR Online Data Catalog: Vela Junior (RX J0852.0-4622) HESS image (HESS+, 2018)”
 VizieR On-line Data Catalog: J/A+A/612/A7. Originally published in:
 A&A, 612, A7, (2018).
- RP-409 H. Abdalla, ... **A. Santangelo** and 258 co-authors (the **H.E.S.S.** collaboration)
 “Deeper H.E.S.S. observations of Vela Junior (RX J0852.0-4622): Morphology studies and
 resolved spectroscopy”
 A&A, 612, id. A7, 14 pp., (2018).
- RP-408 H. Abdalla, ... **A. Santangelo** and 262 co-authors (the **H.E.S.S.** collaboration)
 “A search for new supernova remnant shells in the Galactic plane with H.E.S.S.”
 A&A, 612, id. A8, 23 pp., (2018).
- RP-407 H. Abdalla, ... **A. Santangelo** and 255 co-authors (the **H.E.S.S.** collaboration)
 “Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with
 H.E.S.S.”
 A&A, 612, id. A9, 13 pp., (2018).
- RP-406 H. Abdalla, ... **A. Santangelo** and 244 co-authors (the **H.E.S.S.** collaboration)
 “A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1,
 and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations”
 A&A, 612, id. A10, 22 pp., (2018).
- RP-405 H. Abdalla, ... **A. Santangelo** and 242 co-authors (the **H.E.S.S.** collaboration)
 “Extended VHE γ -ray emission towards SGR1806-20, LBV 1806-20, and stellar cluster Cl*
 1806-20”
 A&A, 612, id. A11, 8 pp., (2018).
- RP-404 H. Abdalla, ... **A. Santangelo** and 259 co-authors (the **H.E.S.S.** collaboration)
 “Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway
 stars”
 A&A, 612, id. A12, 6 pp., (2018).
- RP-403 H. Abdalla, ... **A. Santangelo** and 251 co-authors (the **H.E.S.S.** collaboration)

- “HESS J1741-302: a hidden accelerator in the Galactic plane”
A&A, 612, id. A13, 8 pp., (2018).
- RP-402 H. Abdalla, ... **A. Santangelo** and 250 co-authors (the **H.E.S.S.** collaboration)
“The γ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT”
A&A, 619, id. A71, 10 pp., (2018).
- RP-401 H. Abdalla, ... **A. Santangelo** and 253 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. discovery of very high energy γ -ray emission from PKS 0625-354”
MNRAS, 476, 3, 4187-4198, (2018).
- RP-400 H. Abdalla, ... **A. Santangelo** and 254 co-authors (the **H.E.S.S.** collaboration)
“Search for γ -ray line signals from dark matter annihilations in the inner Galactic halo from ten years of observations with H.E.S.S.”
Phys. Rev. Letters, 120, Issue 20, (2018).
- RP-399 A. Abramowski, ... **A. Santangelo** and 231 co-authors (the **H.E.S.S.** collaboration)
“Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86”
A&A, 612, id. A4, 7 pp., (2018).
- RP-398 G. Abdellaoui, ... **A. Santangelo** and 312 co-authors
“EUSO-TA - First results from a ground-based EUSO telescope”
Astroparticle Physics, Volume 102, p. 98-111, (2018).
- RP-397 M.L. Ahnen, ... **A. Santangelo** and 407 co-authors (**MAGIC** and **H.E.S.S.** collaborations)
“Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations”
A&A, 612, id. A14, 8 pp., (2018).
- RP-396 A. de Angelis, ... **A. Santangelo** and 250 co-authors
“Science with e-ASTROGAM. A space mission for MeV-GeV gamma-ray astrophysics”
Journal of High Energy Astrophysics, 19, 1, (2018).
- RP-395 A. Guzmán, E. Perinati, S. Diebold, C. Tenzer and **A. Santangelo**
“A revision of soft proton scattering at grazing incidence and its implementation in the geant4 toolkit”
Exp. Astron., 44, 3, pp.401-411, (2017).
- RP-394 V. Doroshenko, ... **A. Santangelo** and 5 co-authors
“XMM-Newton observations of the non-thermal supernova remnant HESS J1731-347 (G353.60.7)”
A&A, 608, id. A23, 11pp., (2017).
- RP-393 S. Diebold, ... **A. Santangelo** and 5 co-authors
“Updates on experimental grazing angle soft proton scattering”
Proceedings of the SPIE, Volume 10397, id. 103970W 9pp, (2017).
- RP-392 E. Laplace, ... **A. Santangelo** and 5 co-authors
“Possible regular phenomena in EXO 2030+375”
A&A, 597, id. A124, 9 pp., (2017).
- RP-391 V. Doroshenko, ... **A. Santangelo** and 5 co-authors
“Luminosity dependence of the cyclotron line and evidence for the accretion regime transition in V 0332+53”
MNRAS, 466, 2143, (2017).
- RP-390 R. Doroshenko, **A. Santangelo**, V. Doroshenko and S. Piraino
“BeppoSAX observations of XTE J1946+274”
A&A, 600, id. A52, (2017).

- RP-389 E. Perinati, M. Rott, **A. Santangelo** and C. Tenzer
 “Hyper-velocity impact risk assessment and mitigation strategies in the context of future X-ray astronomy missions”
 Exp. Astr., 44, 337, (2017).
- RP-388 A. Guzmán, E. Perinati, S. Diebold, C. Tenzer and **A. Santangelo**
 “A revision of soft proton scattering at grazing incidence and its implementation in the uc(geant)4 toolkit”
 Exp. Astr., 44, 401, (2017).
- RP-387 E. Perinati, M. Barbera, S. Diebold, A. Guzman, **A. Santangelo** and C. Tenzer
 “Preliminary assessment of the ATHENA/WFI non-X-ray background”
 Exp. Astron., 44, 387, (2017).
- RP-386 C. Malacaria, ... **A. Santangelo** and 5 co-authors
 “Optical spectroscopy of the Be/X-ray binary V850 Centauri/GX 304-1 during faint X-ray periodical activity”
 A&A, 603, id. A24, (2017).
- RP-385 V. Vybornov, ... **A. Santangelo** and 6 co-authors
 “Luminosity-dependent changes of the cyclotron line energy and spectral hardness in Cepheus X-4”
 A&A, 601, id. A126, (2017).
- RP-384 H. Abdallah, ... **A. Santangelo** and 255 co-authors (the **H.E.S.S.** collaboration)
 “Measurement of the EBL spectral energy distribution using the VHE γ -ray spectra of H.E.S.S. blazars”
 A&A, 606, id. A59, (2017).
- RP-383 H. Abdallah, ... **A. Santangelo** and 250 co-authors (the **H.E.S.S.** collaboration)
 “TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.”
 ApJL, 850, 2, id. L22, (2017).
- RP-382 H. Abdallah, ... **A. Santangelo** and 330 co-authors (the **H.E.S.S.** collaboration)
 “Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155-304 and PG 1553+113”
 A&A, 600, id. A89, (2017).
- RP-381 H. Abdallah, ... **A. Santangelo** and 251 co-authors (the **H.E.S.S.** collaboration)
 “Characterizing the γ -ray long-term variability of PKS 2155-304 with H.E.S.S. and Fermi-LAT”
 A&A, 598, id. A39, 11 pp., (2017).
- RP-380 H. Abdallah, ... **A. Santangelo** and 263 co-authors (the **H.E.S.S.** collaboration)
 “First limits on the very-high energy gamma-ray afterglow emission of a fast radio burst. H.E.S.S. observations of FRB 150418”
 A&A, 597, id. A115, (2017).
- RP-379 S. Diebold ... **A. Santangelo** and 36 co-authors
 “Readout electronics testing during mass production of FlashCam cameras for the Cherenkov Telescope Array”
 Proceedings of the SPIE, 10399, id. 103991T 9, (2017).
- RP-378 G. Abdellaoui ... **A. Santangelo** and 358 co-authors
 “Meteor studies in the framework of the JEM-EUSO program”
 P&SS, 143, 245, (2017).

- RP-377 E. Petroff ... **A. Santangelo** and 415 co-authors
 “A polarized fast radio burst at low Galactic latitude”
 MNRAS, 469, 4465, (2017).
- RP-376 B. P. Abbott, ... **A. Santangelo** and 3675 co-authors
 “Multi-messenger Observations of a Binary Neutron Star Merger”
 ApJ, 848L, 12A, (2017).
- RP-375 H. Abdallah, ... **A. Santangelo** and 253 co-authors (the **H.E.S.S.** collaboration)
 “VizieR Online Data Catalog: W49B with H.E.S.S. and Fermi-LAT (HESS+, 2018)”
 VizieR On-line Data Catalog: J/A+A/612/A5. Originally published in: 2018A&A...612A...5H,
 (2016).
- RP-374 S. Adrián-Martínez...**A. Santangelo** and 245 co-authors
 “Letter of intent for KM3NeT 2.0”
 Journal of Physics G: Nuclear and Particle Physics, 43, Issue 8, (2016).
- RP-373 A. Abchiche, ... **A. Santangelo** and 1408 co-authors (the **CTA** Consortium)
 “Contributions of the Cherenkov Telescope Array (CTA) to the 6th International Symposium on
 High-Energy Gamma-Ray Astronomy (Gamma 2016)”
 eprint arXiv:1610.05151, (2016).
- RP-372 P. Predehl ... **A. Santangelo** and 49 co-authors
 “eROSITA on SRG”
 Proceedings of the SPIE, 9905, id. 99051K 8, (2016).
- RP-371 D. Klochov, V. Suleimanov, M. Sasaki and **A. Santangelo**
 “Study of a new central compact object: The neutron star in the supernova remnant G15.9+0.2”
 A&A, 592, id. L12, (2016).
- RP-370 L. Ducci, ... **A. Santangelo** and 4 co-authors
 “Optical and near-infrared photometric monitoring of the transient X-ray binary A0538-66 with
 REM”
 A&A, 595, id. A103, (2016).
- RP-369 C. Ferrigno, ... **A. Santangelo** and 8 co-authors
 “Two giant outbursts of V0332+53 observed with INTEGRAL”
 A&A, 595, id. A17, (2016).
- RP-368 E. Perinati, S. Diebold, A. Guzman, **A. Santangelo** and C. Tenzer
 “Background studies for ATHENA: status of the activities at IAAT”
 Proceedings of the SPIE, 9905, id. 990565 9, (2016).
- RP-367 E. Perinati, T. Mineo, M. Freyberg, S. Diebold, **A. Santangelo** and C. Tenzer
 “An updated approach to the study of proton propagation in the eROSITA mirror system”
 Proceedings of the SPIE, Volume 9905, id. 990552 7 pp, (2016).
- RP-366 M. Feroci, ... **A. Santangelo** and 463 co-authors
 “The LOFT mission concept: a status update”
 Proceedings of the SPIE, Volume 9905, id. 99051R 20 pp, (2016).
- RP-365 L. Ducci, V. Doroshenko, V. Suleimanov, M. Nikolajuk, **A. Santangelo** and C. Ferrigno,
 “RT Crucis: a look into the X-ray emission of a peculiar symbiotic star”
 A&A, 592, id. A58, (2016).
- RP-364 S. N. Zhang, M. Feroci, **A. Santangelo** and 179 co-authors
 “eXTP: Enhanced X-ray Timing and Polarization mission”
 Proceedings of the SPIE, Volume 9905, id. 99051Q 16, (2016).

- RP-363 Y. Cui, G. Pühlhofer and **A. Santangelo**
 “A Young supernova remnant illuminating nearby molecular clouds with cosmic rays”
 A&A, 591, id. A68, (2016).
- RP-362 S. Piraino, **A. Santangelo** and 6 co-authors
 “Broadband observations of the X-ray burster 4U1705-44 with BeppoSAX”
 A&A, 591, id. A41, (2016).
- RP-361 V. Doroshenko, G. Pühlhofer, P. Kavanagh, **A. Santangelo**, V. Suleimanov and D. Klochkov
 “Evidence for a binary origin of a central compact object”
 MNRAS, 458, 2565, (2016).
- RP-360 V. Doroshenko, S. Tsygankov and **A. Santangelo**
 “Orbital parameters of V 0332+53 from 2015 giant outburst data”
 A&A, 589, id. A72, (2016).
- RP-359 C. Malacaria, ... **A. Santangelo** and 5 co-authors
 “Probing the stellar wind environment of Vela X-1 with MAXI”
 A&A, 588, id. A100, (2016).
- RP-358 S. Adrián-Martínez... **A. Santangelo** and 246 co-authors
 “The prototype detection unit of the KM3NeT detector”
 The European Physical Journal C, Volume 76, article id.54, 12 pp, (2016).
- RP-357 H. Abdallah, ... **A. Santangelo** and 241 co-authors (the **H.E.S.S.** collaboration)
 “Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of
 Observations with H.E.S.S.”
 Phys. Rev. Letters, 117, 11, 111301, (2016).
- RP-356 H. Abdallah, ... **A. Santangelo** and 248 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100 GeV to 2 TeV Energy Range
 Close to the Galactic Center”
 Phys. Rev. Letters, 117, 15, 151302, (2016).
- RP-355 A. Abramowski, ... **A. Santangelo** and 230 co-authors (the **H.E.S.S.** collaboration)
 “Acceleration of petaelectronvolt protons in the Galactic Centre”
 Nature, 531, 476H, (2016).
- RP-354 S. Zane ... **A. Santangelo** and 30 co-authors
 “The on-board calibration system of the X-ray Imaging Polarimetry Explorer (XIPE)”
 Proceedings of the SPIE, Volume 9905, id. 99054H 15, (2016).
- RP-353 P. Soffitta, ... **A. Santangelo** and 109 co-authors
 “XIPE: the x-ray imaging polarimetry explorer”
 Proceedings of the SPIE, Volume 9905, id. 990515 20, (2016).
- RP-352 C.A. Wilson-Hodge... **A. Santangelo** and 32 co-authors
 “Large Observatory for x-ray Timing (LOFT-P): a Probe-class mission concept study”
 Proceedings of the SPIE, Volume 9905, id. 99054Y 12 pp, (2016).
- RP-351 A. Abramowski, ...**A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. detection of TeV emission from the interaction region between the supernova
 remnant G349.7+0.2 and a molecular cloud”
 A&A, 580, id. C1, 2, (2015).
- RP-350 A. Haungs, G. medina-Tanco and **A. Santangelo**
 “Special Issue on the JEM-EUSO Mission”

Exp. Astron., 40, Issue 1, 1-2, (2015).

- RP-349 C. Malacaria, D. Klochkov, **A. Santangelo** and R. Staubert
“Luminosity-dependent spectral and timing properties of the accreting pulsar GX 304-1 measured with INTEGRAL”
A&A, 581, id. A121, (2015).
- RP-348 V. Doroshenko, **A. Santangelo** and L. Ducci
“Searching for coherent pulsations in ultraluminous X-ray sources”
A&A, 579, id. A22, (2015).
- RP-347 S. Diebold, ... **A. Santangelo** and 5 co-authors
“Soft proton scattering efficiency measurements on x-ray mirror shells”
Exp. Astron., 39, 343, (2015).
- RP-346 D. Klochkov, R. Staubert, K. Postnov, J. Wilms, R.E. Rothschild, **A. Santangelo**
“Swift/BAT measurements of the cyclotron line energy decay in the accreting neutron star Hercules X-1: indication of an evolution of the magnetic field?”
A&A, 578, id. A88, (2015).
- RP-345 L. Ducci, P. M. Pizzocchero, V. Doroshenko, **A. Santangelo** J. S. Mereghetti and C. Ferrigno
“Properties and observability of glitches and anti-glitches in accreting pulsars”
A&A, 578, id. A52, (2015).
- RP-344 L. Ducci, S. Mereghetti, D. Götz and **A. Santangelo**
“Ten years of INTEGRAL observations of the hard X-ray emission from SGR 1900+14”
A&A, 583, id. A113, (2015).
- RP-343 R. Doroshenko, **A. Santangelo**, V. Doroshenko, V., V. Suleimanov and S. Piraino,
“BeppoSAX observations of GRO J1744-28: cyclotron line detection and the softening of the burst spectra”
MNRAS, 452, issue 3, 2490, (2015).
- RP-342 D. Klochkov, V. Suleimanov, G. Pühlhofer, D.G. Yakovlev, **A. Santangelo** and K. Werner
“The neutron star in HESS J1731-347: Central compact objects as laboratories to study the equation of state of superdense matter”
A&A, 573, id. A53, (2015).
- RP-341 J. H. Adams, ... **A. Santangelo** and 286 co-authors
“Erratum: Erratum to: Ultra high energy photons and neutrinos with JEM-EUSO”
Exp. Astron., 40, Issue 1, pp.235-237, (2015).
- RP-340 J. H. Adams, ... **A. Santangelo** and 286 co-authors
“JEM-EUSO: Meteor and nuclearite observations”
Exp. Astron., 40, Issue 1, pp. 253-279, (2015).
- RP-339 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Ultra high energy photons and neutrinos with JEM-EUSO”
Exp. Astron., 40, Issue 1, pp.215-233, (2015).
- RP-338 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Performances of JEM-EUSO: angular reconstruction”
Exp. Astron., 40, Issue 1, 153, (2015).
- RP-337 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Erratum: Erratum to: Performances of JEM-EUSO: angular reconstruction”
Exp. Astron., 40, Issue 1, 179, (2015).

- RP-336 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The JEM-EUSO observation in cloudy conditions”
Exp. Astron., 40, Issue 1, 135, (2015).
- RP-335 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“JEM-EUSO observational technique and exposure”
Exp. Astron., 40, Issue 1, 117, (2015).
- RP-334 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The atmospheric monitoring system of the JEM-EUSO instrument”
Exp. Astron., 40, Issue 1, 45, (2015).
- RP-333 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The JEM-EUSO Instrument”
Exp. Astron., 40, Issue 1, 19, (2015).
- RP-332 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The infrared camera onboard JEM-EUSO”
Exp. Astron., 40, Issue 1, 61, (2015).
- RP-331 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The JEM-EUSO mission: An introduction”
Exp. Astron., 40, Issue 1, 3, (2015).
- RP-330 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“The EUSO-Balloon pathfinder”
Exp. Astron., 40, Issue 1, 281, (2015).
- RP-329 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Calibration aspects of the JEM-EUSO mission”
Exp. Astron., 40, Issue 1, 91, (2015).
- RP-328 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Science of atmospheric phenomena with JEM-EUSO”
Exp. Astron., 40, Issue 1, 239, (2015).
- RP-327 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Performances of JEM-EUSO: energy and Xmax reconstruction”
Exp. Astron., 40, Issue 1, 183, (2015).
- RP-326 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO”
Exp. Astron., 40, Issue 1, pp. 315-326, (2015).
- RP-325 J. H. Adams, ... **A. Santangelo** and 286 co-authors (the **JEM-EUSO** collaboration)
“Ground-based tests of JEM-EUSO components at the Telescope Array site, EUSO-TA”
Exp. Astron., 40, Issue 1, pp. 301-314, (2015).
- RP-324 A. Abramowski, ... **A. Santangelo** and 226 co-authors (the **H.E.S.S.** collaboration)
“The 2012 Flare of PG 1553+113 Seen with H.E.S.S. and Fermi-LAT”
ApJ, 802, 65, (2015).
- RP-323 A. Abramowski, ... **A. Santangelo** and 223 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. reveals a lack of TeV emission from the supernova remnant Puppis A”
A&A, 575, id. A81, (2015).
- RP-322 A. Abramowski, ... **A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)
“Constraints on an Annihilation Signal from a Core of Constant Dark Matter Density around the

Milky Way Center with H.E.S.S.”
Phys. Rev. Lett., 114, 081301, (2015).

- RP-321 A. Abramowski, ... **A. Santangelo** and 224 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud”
A&A, 574, id. A100, (2015).
- RP-320 A. Abramowski, ... **A. Santangelo** and 218 co-authors (the **H.E.S.S.** collaboration)
“Probing the γ -ray emission from HESS J1834-087 using H.E.S.S. and Fermi LAT observations”
A&A, 574, id. A27, (2015).
- RP-319 A. Abramowski, ... **A. Santangelo** and 226 co-authors (the **H.E.S.S.** collaboration)
“The exceptionally powerful TeV γ -ray emitters in the Large Magellanic Cloud”
Science, 347, 406, (2015).
- RP-318 A. Abramowski, ... **A. Santangelo** and 219 co-authors (the **H.E.S.S.** collaboration)
“Discovery of the VHE γ -ray source HESS J1832-093 in the vicinity of SNR G22.7-0.2”
MNRAS, 446, 1163, (2015).
- RP-317 A. Abramowski, ... **A. Santangelo** and 223 co-authors (the **H.E.S.S.** collaboration)
“Discovery of variable VHE γ -ray emission from the binary system 1FGL J1018.6-5856”
A&A, 577, id. A131, (2015).
- RP-316 A. Abramowski, ... **A. Santangelo** and 221 co-authors (the **H.E.S.S.** collaboration)
“The high-energy γ -ray emission of AP Librae”
A&A, 573, id. A31, (2015).
- RP-315 A. Bonardi, G. Pühlhofer, S. Hermanutz and **A. Santangelo**
“A new solution for mirror coating in γ -ray Cherenkov astronomy”
Exp. Astron., 38, 1, (2014).
- RP-314 L. Ducci, V. Doroshenko, P. Romano, **A. Santangelo** and M. Sasaki
“Expected number of supergiant fast X-ray transients in the Milky Way”
A&A, 568, id. A76, (2014).
- RP-313 D. Meier, C. Tenzer and **A. Santangelo**
“Point and Interval Estimation on the Degree and the Angle of Polarization: A Bayesian Approach”
PASP, 126, issue 939, 459, (2014).
- RP-312 A. Abramowski, ... **A. Santangelo** and 186 co-authors
“Search for Dark Matter Annihilation Signals from the Fornax Galaxy Cluster with H.E.S.S.”
ApJ, 783, Issue 1, article id. 63, 4, (2014).
- RP-311 V. Doroshenko, L. Ducci, **A. Santangelo** and M. Sasaki
“Population of the Galactic X-ray binaries and eRosita”
A&A, 567, id. A7, (2014).
- RP-310 M. Bertaina, ... **A. Santangelo** and 16 co-authors
“Performance and air-shower reconstruction techniques for the JEM-EUSO mission”
Advances in Space Research, 53, 1515, (2014).
- RP-309 T. Ebisuzaki, G. Medina-Tanco and **A. Santangelo**
“The JEM-EUSO mission”
Advances in Space Research, 53, 1499, (2014).

- RP-308 **A. Santangelo** and R. Madonia
 “Fifty years of X-ray astronomy: A look back and into the (near) future”
 Astropart. Phys., 53, 130, (2014).
- RP-307 V. Doroshenko, **A. Santangelo** R. Doroshenko, I. Caballero, S. Tsygankov and
 R. Rothschild
 “XMM-Newton observations of 1A 0535+262 in quiescence”
 A&A, 561, id. A. 96, (2014).
- RP-306 D. Maier, ... **A. Santangelo** and 6 co-authors
 “Development of a stacked detector system for the x-ray range and its possible applications”
 Proceedings of the SPIE, 9154, id. 915422 12. (2014).
- RP-305 E. Bozzo, ... **A. Santangelo** and 28 co-authors
 “The LOFT ground segment”
 Proceedings of the SPIE, 9144, id. 91446A 7. (2014).
- RP-304 C. Tenzer, ... **A. Santangelo** and 11 co-authors
 “The digital data processing concepts of the LOFT mission”
 Proceedings of the SPIE, 9144, id. 914467 12. (2014).
- RP-303 E. Perinati, ... **A. Santangelo** and 11 co-authors
 “Hyper-velocity impact test and simulation of a double-wall shield concept for the Wide Field
 Monitor aboard LOFT”
 Proceedings of the SPIE, 9144, id. 914465 18. (2014).
- RP-302 E. Del Monte, ... **A. Santangelo** and 14 co-authors
 “Radiation tests of the silicon drift detectors for LOFT”
 Proceedings of the SPIE, 9144, id. 914464 14. (2014).
- RP-301 D. Walton, ... **A. Santangelo** and 26 co-authors
 “Optimisation of the design for the LOFT large area detector module”
 Proceedings of the SPIE, 9144, id. 914462 16. (2014).
- RP-300 E. Perinati, **A. Santangelo** and C. Tenzer
 “Background studies for ATHENA: towards a new assessment phase”
 Proceedings of the SPIE, 9144, id. 91445Y 8. (2014).
- RP-299 E. Perinati, ... **A. Santangelo** and 6 co-authors
 “Bumper filter against micrometeoroids for eROSITA”
 Proceedings of the SPIE, 9144, id. 91444W. (2014).
- RP-298 E. Perinati, ... **A. Santangelo** and 5 co-authors
 “Analysis of proton propagation through the eROSITA telescope”
 Proceedings of the SPIE, 9144, id. 91444V 6. (2014).
- RP-297 S. Diebold, J. Jochum, E. Kendziorra, E. Perinati, **A. Santangelo** and C. Tenzer
 “A setup for soft proton scattering on x-ray mirrors”
 Proceedings of the SPIE, 9144, id. 91444S 8. (2014).
- RP-296 S. Zane... **A. Santangelo** and 57 co-authors
 “The large area detector of LOFT: The Large Observatory for X-ray Timing”
 Proceedings of the SPIE, 9144, id. 91442W 19. (2014).
- RP-295 S. Brandt, ... **A. Santangelo** and 42 co-authors
 “The design of the wide field monitor for the LOFT mission”
 Proceedings of the SPIE, 9144, id. 91442V 20. (2014).

- RP-294 N. Meidinger, ... **A. Santangelo** and 6 co-authors
 “The wide field imager instrument for Athena”
 Proceedings of the SPIE, 9144, id. 91442J 12. (2014).
- RP-293 D. Götz, ... **A. Santangelo** and 18 co-authors
 “The microchannel x-ray telescope for the gamma-ray burst mission SVOM”
 Proceedings of the SPIE, 9144, id. 914423 12. (2014).
- RP-292 P. Predehl, ... **A. Santangelo** and 62 co-authors
 “eROSITA on SRG”
 Proceedings of the SPIE, 9144, id. 91441T 6. (2014).
- RP-291 M. Feroci, ... **A. Santangelo** and 342 co-authors
 “The Large Observatory for X-ray Timing (LOFT)”
 Proceedings of the SPIE, 9144, id. 91442T 20, (2014).
- RP-290 A. Abramowski, ... **A. Santangelo** and 230 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of the Hard Spectrum VHE gamma-Ray Source HESS J1641-463”
 ApJ, 794, L1, (2014).
- RP-289 A. Abramowski, ... **A. Santangelo** and 214 co-authors (the **H.E.S.S.** collaboration)
 “Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.”
 A&A, 565, id. A16, (2014).
- RP-288 A. Abramowski, ... **A. Santangelo** and 229 co-authors (the **H.E.S.S.** collaboration)
 “Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies”
 Ph. Rev. D, 90, 112012, (2014).
- RP-287 A. Abramowski, ... **A. Santangelo** and 219 co-authors (the **H.E.S.S.** collaboration)
 “Erratum: HESS J1640-465 - an exceptionally luminous TeV gamma-ray supernova remnant”
 MNRAS, 441, 3640, (2014).
- RP-286 A. Abramowski, ... **A. Santangelo** and 226 co-authors (the **H.E.S.S.** collaboration)
 “Long-term monitoring of PKS 2155-304 with ATOM and H.E.S.S.: investigation of optical&gamma-ray correlations in different spectral states”
 A&A, 571, id. A39, (2014).
- RP-285 A. Abramowski, ... **A. Santangelo** and 218 co-authors (the **H.E.S.S.** collaboration)
 “TeV gamma-ray observations of the young synchrotron-dominated SNRs G1.9+0.3 and G330.2+1.0 with H.E.S.S.”
 MNRAS, 441, 790, (2014).
- RP-284 A. Abramowski, ... **A. Santangelo** and 225 co-authors (the **H.E.S.S.** collaboration)
 “Diffuse Galactic gamma-ray emission with H.E.S.S.”
 Ph. Rev. D, 90, 122007, (2014).
- RP-283 A. Abramowski, ... **A. Santangelo** and 218 co-authors (the **H.E.S.S.** collaboration)
 “HESS J1640-465 – an exceptionally luminous TeV gamma- Ray supernova remnant”
 MNRAS, 439, 2828, (2014).
- RP-282 A. Abramowski, ... **A. Santangelo** and 217 co-authors (the **H.E.S.S.** collaboration)
 “Flux upper limits for 47 AGN observed with H.E.S.S. in 2004-2011”
 A&A, 564, id. A9, (2014).
- RP-281 A. Abramowski, ... **A. Santangelo** and 186 co-authors (the **H.E.S.S.** collaboration)

- “Erratum: Search for Dark Matter Annihilation Signals from the Fornax Galaxy Cluster with H.E.S.S.”
ApJ, 783, 63, (2014).
- RP-280 A. Abramowski, ... **A. Santangelo** and 217 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. observations of the Crab during its March 2013 GeV gamma-ray flare”
A&A, 562, id. L4, (2014).
- RP-279 A. Abramowski... **A. Santangelo** and 220 co-authors (the **H.E.S.S.** collaboration)
“Search for extended γ -ray emission around AGN with H.E.S.S. and Fermi-LAT”
A&A, 562, id. A145, (2014).
- RP-278 A. Abramowski, ... **A. Santangelo** and 216 co-authors (the **H.E.S.S.** collaboration)
“HESS J1818-154, a new composite supernova remnant discovered in TeV gamma rays and X-rays”
A&A, 562, id. A40, (2014).
- RP-277 L. Amati, ... **A. Santangelo** and 21 co-authors (the **GAME** collaboration)
“GAME: GRB and All-sky Monitor Experiment”
International Journal of Modern Physics D, 23, 1430010, (2014).
- RP-276 P. Ballmoos, **A. Santangelo** and 32 co-authors (the **JEM-EUSO** collaboration)
“A balloon-borne prototype for demonstrating the concept of JEM-EUSO”
Advances in Space Research, 53, 1544, (2014).
- RP-275 S. Adrian-Martinez, ... **A. Santangelo** and 248 co-authors
“Deep sea tests of a prototype of the KM3NeT digital optical module”
European Physical Journal C, 74, 3056, (2014).
- RP-274 A. Aliu, ... **A. Santangelo** and 299 co-authors
“Long-term TeV and X-Ray Observations of the Gamma-Ray Binary HESS J0632+057”
ApJ, 780, 168, (2014).
- RP-273 M. Feroci, ... **A. Santangelo** and 191 co-authors (The **LOFT** Collaboration)
“The Large Observatory for X-ray Timing (LOFT)”
ExA, 34, 415, (2014).
- RP-272 L. Ducci, ... **A. Santangelo** and 5 co-authors
“Spectral and temporal properties of the supergiant fast X-ray transient IGR J18483-0311 observed by INTEGRAL”
A&A, 559, id. A135, (2013).
- RP-271 S. Diebold, ... **A. Santangelo** and 11 co-authors
“A setup for soft proton irradiation of X-ray detectors for future astronomical space missions”
NIMPA, 721, 65, (2013).
- RP-270 D. Klochikov, G. Pühlhofer, V. Suleimanov, S. Simon, K. Werner and **A. Santangelo**
“A non-pulsating neutron star in the supernova remnant HESS J1731-347/G353.6-0.7 with a carbon atmosphere”
A&A, 556, id. A41, (2013).
- RP-269 B. Mück, S. Piraino and **A. Santangelo**
“A BeppoSAX and XMM-Newton spectral study of 4U 1735-44”
A&A, 555, id. A17, (2013).
- RP-268 **A. Santangelo**
“The JEM-EUSO mission: Context and status”
EPJWC, 5309001S. (2013).

- RP-267 D. Vasco, R. Staubert, D. Klochkov, **A. Santangelo**, N. Shakura and K. Postnov
 “Pulse phase and precession phase resolved spectroscopy of Hercules X-1: studying a representative Main-On with RXTE”
 A&A, 550, id. A111, (2013).
- RP-266 E. Egron, ... **A. Santangelo** and 11 co-authors
 “Testing reflection features in 4U 1705-44 with XMM-Newton, BeppoSAX, and RXTE in the hard and soft states”
 A&A, 550, id. A5, (2013).
- RP-265 D. Müller, D. Klochkov, I. Caballero and **A. Santangelo**
 “A 0535+26 in the April 2010 outburst: probing the accretion regime at work”
 A&A, 552, id. A81, (2013).
- RP-264 A. Guzman, ... **A. Santangelo** and 6 co-authors (the **JEM-EUSO** Collaboration)
 “The Peak and Window Searching Technique for the EUSO Simulation and Analysis Framework: Impact on the Angular Reconstruction of EAS”
 Journal of Physics CS, 409, id. 012104, (2013).
- RP-263 V. Doroshenko, **A. Santangelo** and 6 co-authors
 “Footprints in the wind of Vela X-1 traced with MAXI”
 A&A, 554, id. A37, (2013).
- RP-262 A. Abramowski, ... **A. Santangelo** and 209 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9-185406”
 A&A, 554, id. A72, 8 pp., (2013).
- RP-261 A. Abramowski, ... **A. Santangelo** and 203 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. observations of the binary system PSR B1259-63/LS 2883 around the 2010/2011 periastron passage”
 A&A, 551, id. A94, (2013).
- RP-260 A. Abramowski, ... **A. Santangelo** and 210 co-authors (the **H.E.S.S.** collaboration)
 “Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS 2155-304 energy spectrum”
 Phys. Rev. D, 88, id. 102003, (2013).
- RP-259 A. Abramowski, ... **A. Santangelo** and 211 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of very high energy γ -ray emission from the BL Lacertae object PKS 0301-243 with H.E.S.S.”
 A&A, 559, id. A136, (2013).
- RP-258 A. Abramowski, ... **A. Santangelo** and 206 co-authors (the **H.E.S.S.** collaboration)
 “HESS and Fermi-LAT discovery of γ -rays from the blazar 1ES 1312-423”
 MNRAS, 434, 1889, (2013).
- RP-257 A. Abramowski, ... **A. Santangelo** and 196 co-authors (the **H.E.S.S.** collaboration)
 “H.E.S.S. discovery of VHE γ -rays from the quasar PKS 1510-089”
 A&A, 554, id. A107, (2013).
- RP-256 P. Soffitta, ... **A. Santangelo** and 96 co-authors
 “XIPe: The X-ray imaging polarimetry explorer”
 Exp. Astron., 36, 523, (2013).
- RP-255 A. Abramowski, ... **A. Santangelo** and 195 co-authors (the **H.E.S.S.** collaboration)

- “Discovery of TeV γ -ray emission from PKS 0447-439 and derivation of an upper limit on its redshift”
A&A, 552, id. A118, (2013).
- RP-254 A. Abramowski ... **A. Santangelo** and 195 co-authors (the **H.E.S.S.** collaboration)
“Search for very-high-energy γ -ray emission from Galactic globular clusters with H.E.S.S.”
A&A, 551, id. A 26, (2013).
- RP-253 A. Abramowski, ... **A. Santangelo** and 192 co-authors (the **H.E.S.S.** collaboration)
“Search for Photon-Linelike Signatures from Dark Matter Annihilations with H.E.S.S.”
Phys. rev. Lett. 110, 1301, (2013).
- RP-252 A. Abramowski, ... **A. Santangelo** and 187 co-authors (the **H.E.S.S.** collaboration)
“Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S.”
A&A, 550, id. A4, (2013).
- RP-251 I. Caballero, ... **A. Santangelo** and 18 co-authors
“A Double-peaked Outburst of A 0535+26 Observed with INTEGRAL, RXTE, and Suzaku”
ApJL, 764, id. L23, (2013).
- RP-250 B. S. Acharya ... **A. Santangelo** and 975 co-authors (the **CTA** collaboration)
“Introducing the CTA concept”
Astroparticle Physics, 43, 3-18, (2013).
- RP-249 J. H. Adams, ... **A. Santangelo** and 251 co-authors
“An evaluation of the exposure in nadir observation of the JEM-EUSO mission”
Astroparticle Physics, 44, 76, (2013).
- RP-248 V. Doroshenko, **A. Santangelo**, L. Ducci and D. Klochkov
“Supergiant, fast, but not so transient 4U 1907+09”
A&A, 548, id. A19, (2012).
- RP-247 G. Tagliaferri, ... **A. Santangelo** and 6 co-authors
“The NHXM observatory”
ExA, 34, 463, (2012).
- RP-246 P. Bobik, ... **A. Santangelo** and 7 co-authors
“Distribution of secondary particles intensities over Earth's surface: Effect of the geomagnetic field”
AdSpR, 50, 986-996, (2012).
- RP-245 D. Klochkov, ... **A. Santangelo** and 11 co-authors
“Outburst of GX 304-1 monitored with INTEGRAL: positive correlation between the cyclotron line energy and flux”
A&A, 542, id. L28, (2012).
- RP-244 S. Piraino, **A. Santangelo** and 8 co-authors
“A relativistic iron emission line from the neutron star low-mass X-ray binary GX 3+1”
A&A, 542, id. L27, (2012).
- RP-243 V. Doroshenko, **A. Santangelo**, I. Kreykenbhom and R. Doroshenko
“The hard X-ray emission of X Persei”
A&A, 540, id. L1, (2012).
- RP-242 M. Sasaki, D. Müller, U. Kraus, C. Ferrigno and **A. Santangelo**
“Analysing X-ray pulsar profiles. Geometry and beam pattern of 4U 0115+63 and V 0332+53”
A&A, 540, id. A35, (2012).

- RP-241 M. Feroci, ... **A. Santangelo** and 201 co-authors
 “The Large Observatory for X-ray Timing (LOFT)”
 Exp. Astron., 34, 2, 415-444, (2012).
- RP-240 E. Perinati, ... **A. Santangelo** and 5co-authors
 “LEO radiation environment and the design of the micro-channel-plate x-ray telescope camera on-board the SVOM Mission”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the SPIE, 8443, id. 84434T, 7 pp., (2012).
- RP-239 A. Abramowski, ... **A. Santangelo** and 186 co-authors (the **H.E.S.S.** collaboration)
 “VizieR Online Data Catalog: PSR J0537-6910 gamma-ray emission (HESS+, 2012)”
 VizieR On-line Data Catalog: J/A+A/545/L2. Originally published in: 2012A&A...545L...2H, (2012).
- RP-238 S. Brandt, ... **A. Santangelo** and 33 co-authors
 “The LOFT wide field monitor”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the SPIE, 8443, id. 84432G, 14 pp., (2012).
- RP-237 E. Perinati, C. Tenzer, **A. Santangelo**, K. Dennerl, M. Freyberg and P. Predehl
 “The radiation environment in L-2 orbit: implications on the non-X-ray background of the eROSITA pn-CCD cameras”
 Experimental Astronomy, 33, Issue 1, 39-53, (2012).
- RP-236 J. H. Adams, ... **A. Santangelo** and 13 co-authors
 “Summary Report of JEM-EUSO Workshop at KICP in Chicago”
 eprint arXiv:1203.3451, (2012).
- RP-235 A. Abramowski, ... **A. Santangelo** and 186 co-authors (the **H.E.S.S.** collaboration)
 “Identification of HESS J1303-631 as a pulsar wind nebula through γ -ray, X-ray, and radio observations”
 A&A, 548, id. A46, (2012).
- RP-234 A. Abramowski, ... **A. Santangelo** and 183 co-authors (the **H.E.S.S.** collaboration)
 “Spectral Analysis and Interpretation of the γ -Ray Emission from the Starburst Galaxy NGC 253”
 ApJ, 757, 158, (2012).
- RP-233 A. Abramowski, ... **A. Santangelo** and 197 co-authors (the **H.E.S.S.** collaboration)
 “Probing the extent of the non-thermal emission from the Vela X region at TeV energies with H.E.S.S.”
 A&A, 548, id. A38, (2012).
- RP-232 A. Abramowski, ... **A. Santangelo** and 196 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of gamma-ray emission from the extragalactic pulsar wind nebula N 157B with H.E.S.S.”
 A&A, 545, id. L2, (2012).
- RP-231 A. Abramowski, ... **A. Santangelo** and 193 co-authors (the **H.E.S.S.** collaboration)
 “Constraints on the gamma-ray emission from the cluster-scale AGN outburst in the Hydra A galaxy cluster”
 A&A, 545, id. A103, (2012).
- RP-230 A. Abramowski, ... **A. Santangelo** and 182 co-authors (the **H.E.S.S.** collaboration)
 “HESS observations of the Carina nebula and its enigmatic colliding wind binary Eta Carinae”
 MNRAS, 424, 128, (2012).

- RP-229 A. Abramowski, ... **A. Santangelo** and 186 co-authors
 “Search for Dark Matter Annihilation Signals from the Fornax Galaxy Cluster with H.E.S.S.”
 ApJ, 750, 123, (2012).
- RP-228 A. Abramowski, ... **A. Santangelo** and 182 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of VHE γ -ray emission and multi-wavelength observations of the BL Lacertae
 object 1RXS J101015.9-311909”
 ApJ, 542, id. A 94, (2012).
- RP-227 A. Abramowski, ... **A. Santangelo** and 199 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of VHE emission towards the Carina arm region with the H.E.S.S. telescope array:
 HESS J1018-589”
 A&A, 541, id. A5, (2012).
- RP-226 S. Suchy, ... **A. Santangelo** and 10 co-authors
 “The on-board data handling concept for the LOFT large area detector”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84435M, (2012).
- RP-225 S. Zane, ... **A. Santangelo** and 55 co-authors
 “A large area detector proposed for the Large Observatory for X-ray Timing (LOFT)”
 Proceedings of the SPIE, 8443, id. 84432F, 15 pp., (2012).
- RP-224 D. Maier, ... **A. Santangelo** and 6 co-authors
 “Development of fast data processing electronics for a stacked x-ray detector system with
 application as a polarimeter”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84435K, 10 pp., (2012).
- RP-223 H. Wende, G. Distratis, C. Tenzer, E. Kendziorra and **A. Santangelo**
 “A digital data processing unit for future X-ray observatories”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84432N, 8 pp., (2012).
- RP-222 E. Perinati, C. Tenzer, **A. Santangelo**, K. Dennerl and M. Freyberg
 “Nuclear spallation by solar proton events and cosmic rays in the eROSITA and ATHENA focal
 plane configurations”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84432J, 7 pp., (2012).
- RP-221 M. Feroci, ... **A. Santangelo** and 247 co-authors
 “LOFT: The Large Observatory For X-ray Timing”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84432D, 16 pp., (2012).
- RP-220 E. Perinati, ... **A. Santangelo** and 32 co-authors
 “Accelerator experiments with soft protons and hyper-velocity dust particles: application to
 ongoing projects of future x-ray missions”
 Space Telescopes and Instrumentation 2012: Ultraviolet to Gamma Ray. Proceedings of the
 SPIE, 8443, id. 84430O, 13, (2012).
- RP-219 A. Abramowski, ... **A. Santangelo** and 182 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of VHE γ -ray emission and multi-wavelength observations of the BL Lacertae
 object 1RXS J101015.9-311909”
 A&A, 542, id. A94, 10 pp., (2012).
- RP-218 A. Abramowski, ... **A. Santangelo** and 189 co-authors (**H.E.S.S.** collaboration)

VizieR Online Data Catalog: 1RXSJ101015.9-311909 VHE gamma-ray emission (HESS+, 2012)
 VizieR On-line Data Catalog: J/A+A/542/A94. Originally published in: 2012A&A...542A..94H, (2012).

- RP-217 A. Abramowski, ... **A. Santangelo** and 198 co-authors
 “Discovery of extended VHE γ -ray emission from the vicinity of the young massive stellar cluster Westerlund 1”
 A&A, 537, id. A114, 11, (2012).
- RP-216 A. Merloni, ... **A. Santangelo** and 23 co-authors
 “eROSITA Science Book: Mapping the Structure of the Energetic Universe”
 eprint arXiv:1209.3114, (2012).
- RP-215 A. Abramowski, ... **A. Santangelo** and 208 co-authors (the **H.E.S.S.** collaboration)
 “A multiwavelength view of the flaring state of PKS 2155-304 in 2006”
 A&A, 539, id. A149, (2012).
- RP-214 A. Abramowski, ... **A. Santangelo** and 445 co-authors (the **H.E.S.S.** collaboration)
 “The 2010 Very High Energy γ -Ray Flare and 10 Years of Multi-wavelength Observations of M 87”
 ApJ, 746, id. 151, (2012).
- RP-213 A. Abramowski, ... **A. Santangelo** and 200 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of hard-spectrum γ -ray emission from the BL Lacertae object 1ES 0414+009”
 A&A, 538, id. A103, (2012).
- RP-212 D. Müller, D. Klochkov, **A. Santangelo**, T. Mihara and M. Sugizaki
 “No apparent accretion mode changes detected in Centaurus X-3”
 A&A, 535, id. A102, (2011).
- RP-211 D. Klochkov, R. Staubert, **A. Santangelo** and C. Ferrigno
 “Pulse-amplitude-resolved spectroscopy of bright accreting pulsars: indication of two accretions regimes”
 A&A, 532, id. A126, (2011).
- RP-210 D. Klochkov, ... **A. Santangelo** and 6 co-authors
 “Quasi-periodic flares in EXO 2030+375 observed with INTEGRAL”
 A&A, 536, id. L8, 4 pp., (2011).
- RP-209 C. Ferrigno, ... **A. Santangelo** and 4 co-authors
 “4U 0115 + 63: phase lags and cyclotron resonant scattering”
 A&A, 532, id. A76, (2011).
- RP-208 S. Suchy, ... **A. Santangelo** and 13 co-authors
 “Suzaku Observations of the HMXB 1A 1118-61”
 ApJ, 733, 15S, (2011).
- RP-207 **A. Santangelo**, F. Fenu, T. Ebisuzaki, K. Shinozaki et al. (the **JEM-EUSO** collaboration)
 “Unveiling the UHE Universe from space: the JEM-EUSO mission”
 Nuclear Physics B Proceedings Supplements, 212, p. 368-378, (2011).
- RP-206 V. Doroshenko, **A. Santangelo** and V. Suleimanov
 “Witnessing the magnetospheric boundary at work in Vela X-1”
 A&A, 529, id. A52, (2011).
- RP-205 R. Staubert, ... **A. Santangelo** and 5 co-authors
 “Finding a 24-day orbital period for the X-ray binary 1A 1118-616”

- A&A, 527, id. A7, (2011).
- RP-204 I. Caballero, U. Kraus, **A. Santangelo**, M. Sasaki and P. Kretschmar
“Analyzing X-ray pulsar profiles: geometry and beam pattern of A 0535+26”
A&A, 526, id. A131, (2011).
- RP-203 M. Actis, ... **A. Santangelo** and 670 co-authors
“Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy”
Exp. Astron., 32, 3, 193, (2011).
- RP-202 P. Predehl, ... **A. Santangelo** and 55 co-authors
“eROSITA”
Proceedings of the SPIE, 8145, id. 81450D, (2011).
- RP-201 A. Abramowski, ... **A. Santangelo** and 195 co-authors (the **H.E.S.S.** collaboration)
“Discovery of the source HESS J1356-645 associated with the young and energetic PSR J1357-6429”
A&A, 533, id. A103, 10 pp., (2011).
- RP-200 A. Abramowski, ... **A. Santangelo** and 337 co-authors (the **H.E.S.S.** collaboration)
“Simultaneous multi-wavelength campaign on PKS 2005-489 in a high state”
A&A, 533, id. A110, (2011).
- RP-199 A. Abramowski, ... **A. Santangelo** and 196 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. Observations of the Globular Clusters NGC 6388 and M15 and Search for a Dark Matter Signal”
ApJ, 735, 12, (2011).
- RP-198 A. Abramowski, ... **A. Santangelo** and 185 co-authors (the **HESS** collaboration)
“Very-high-energy gamma-ray emission from the direction of the Galactic globular cluster Terzan 5”
A&A, 531, id. L18, (2011).
- RP-197 A. Abramowski, ... **A. Santangelo** and 185 co-authors (the **H.E.S.S.** collaboration)
“A new SNR with TeV shell-type morphology: HESS J1731-347”
A&A, 531, id. A81, (2011).
- RP-196 A. Abramowski, ... **A. Santangelo** and 190 co-authors (the **H.E.S.S.** collaboration)
“HESS J1943+213: a candidate extreme BL Lacertae object”
A&A, 529, id. A49, (2011).
- RP-195 A. Abramowski, ... **A. Santangelo** and 182 co-authors (the **H.E.S.S.** collaboration)
“Search for a Dark Matter Annihilation Signal from the Galactic Center Halo with H.E.S.S.”
Phys. Rev. Lett., 106, 1301, (2011).
- RP-194 A. Abramowski, ... **A. Santangelo** and 198 co-authors (the **H.E.S.S.** collaboration)
“Search for Lorentz Invariance breaking with a likelihood fit of the PKS 2155-304 flare data taken on MJD 53944”
Astropart. Phys., 34, 738, (2011).
- RP-193 A. Abramowski, ... **A. Santangelo** and 197 co-authors (the **H.E.S.S.** collaboration)
“Detection of very-high-energy γ -ray emission from the vicinity of PSR B1706-44 and G 343.1-2.3 with H.E.S.S.”
A&A, 528, id. A143, (2011).
- RP-192 A. Abramowski, ... **A. Santangelo** and 184 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. constraints on dark matter annihilations towards the sculptor and carina dwarf

- galaxies”
Astropart. Phys., 34, 608, (2011).
- RP-191 A. Abramowski, ... **A. Santangelo** and 185 co-authors (the **H.E.S.S.** collaboration)
“Revisiting the Westerlund 2 field with the HESS telescope array”
A&A, 525, id. A46, (2011).
- RP-190 F. Acero, ... **A. Santangelo** and 160 co-authors (the **H.E.S.S.** collaboration)
“Discovery and follow-up studies of the extended, off-plane, VHE gamma-ray source HESS J1507-622”
A&A, 525, id. A45, (2011).
- RP-189 F. Aharonian, ... **A. Santangelo** and 114 co-authors (the **H.E.S.S.** collaboration)
“Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7 - 3946 with deep H.E.S.S. observations (Corrigendum)”
A&A, 531, id. C1, (2011).
- RP-188 M. Casolino, ... **A. Santangelo** and 9 co-authors
“Detecting ultra-high energy cosmic rays from space with unprecedented acceptance: objectives and design of the JEM-EUSO mission”
ASTRA, 7, 477C, (2011).
- RP-187 U. Kraus, C. Zahn, **A. Santangelo**,
“X-ray pulses from accretion columns II: The illuminated accretion stream”
A&A, submitted, (2010).
- RP-186 V. Doroshenko, **A. Santangelo**, and V. Suleymanov
“Vela X-1: another magnetar hidden in a binary sistem?”
A&A, submitted, (2010).
- RP-185 V. Doroshenko, **A. Santangelo** and 5 co-authors
“Is there a highly magnetized neutron star in GX 301-2?”
A&A, 515, id. A10, (2010).
- RP-184 V. Doroshenko, ... **A. Santangelo** and 6 co-authors
“RXTE Observations of the 1A 1118-61 in an outburst, and the discovery of a cyclotron line”
A&A, 515, id. L1, (2010).
- RP-183 **A. Santangelo**, K. Bittermann, T. Mernik and F. Fenu
“Space-Based Studies of UHE Neutrinos”
Progress in Particle and Nuclear Physics, 64, 2, 366, (2010).
- RP-182 M. Sasaki, D. Klochkov, U. Kraus, I. Caballero and **A. Santangelo**
“Analyzing X-ray Pulsar Profiles: geometry and beam pattern of EXO 2030+375”
A&A, 517, id. A 8, (2010).
- RP-181 I. Mainardi, ... **A. Santangelo** and 8 co-authors
“Spectral evolution of bright NS LMXBs with INTEGRAL: an application of the thermal plus bulk Comptonization model”
A&A, 512, id. A57, (2010).
- RP-180 F. Aharonian, ... **A. Santangelo** and 167 co-authors (the **H.E.S.S.** collaboration)
“Discovery of VHE γ -rays from the BL Lacertae object PKS 0548-322”
A&A, 521, id. A69, (2010).
- RP-179 A. Abramowski, ... **A. Santangelo** and 184 co-authors (the **H.E.S.S.** collaboration)
“Multi-wavelength Observations of H 2356-309”
A&A, 516, id. A56, (2010).

- RP-178 F. Acero, ... **A. Santangelo** and 163 co-authors (the **H.E.S.S.** collaboration)
 “PKS 2005-489 at VHE: four years of monitoring with HESS and simultaneous multi-wavelength observations”
 A&A, 511, id. A52, (2010).
- RP-177 F. Acero, ... **A. Santangelo** and 166 co-authors (the **H.E.S.S.** collaboration)
 “Localizing the VHE γ -ray source at the Galactic Centre”
 MNRAS, 402, 1877, (2010).
- RP-176 A. Abramowsky, ... **A. Santangelo** and 184 co-authors (the **H.E.S.S.** collaboration)
 “VHE γ -ray emission of PKS 2155-304: spectral and temporal variability”
 A&A, 520, id. A 83, (2010).
- RP-175 A. D’Ai, ... **A. Santangelo** and 11 co-authors
 “A self-consistent approach to the hard and soft state of 4U 1705-44”
 A&A, 516, id. A 36, (2010).
- RP-174 D. Maier, ... **A. Santangelo** and 12 co-authors
 “Development of the Simbol-X science verification model and its contribution for the IXO Mission”
 Proceedings of the SPIE, 7742, id. 77420Z, (2010).
- RP-173 C. Tenzer, G. Warth, E. Kendziorra and **A. Santangelo**
 “Geant4 simulation studies of the eROSITA detector background”
 Proceedings of the SPIE, Volume 7742, id. 77420Y, (2010).
- RP-172 D. Barret, ... **A. Santangelo** and 35 co-authors
 “The High Time Resolution Spectrometer (HTRS) aboard the International X-ray Observatory (IXO)”
 Proceedings of the SPIE, 7732, id. 77321M, (2010).
- RP-171 L. Strüder, ... **A. Santangelo** and 24 co-authors
 “The wide-field imager for IXO: status and future activities”
 Proceedings of the SPIE, 7732, id. 77321I, (2010).
- RP-170 P. Predehl, ... **A. Santangelo** and 54 co-authors
 “eROSITA on SRG”
 Proceedings of the SPIE, 7732, id. 77320U, (2010).
- RP-169 F. Acero, ... **A. Santangelo** and 179 co-authors
 “First detection of VHE γ -rays from SN 1006 by HESS”
 A&A, 516, id. A62, (2010).
- RP-168 T. di Salvo, **A. Santangelo** and 10 co-authors
 “A relativistically smeared spectrum in the neutron star X-ray binary 4U 1705-44: looking at the inner accretion disc with X-ray spectroscopy”
 MNRAS, 398, 2022-2027, (2009).
- RP-167 D. Klochkov, R. Staubert, K. Postnov, N. Shakura and **A. Santangelo**
 “Continuous monitoring of pulse period variations in Hercules X-1 using Swift/BAT”
 A&A, 506, 1261-1267, (2009).
- RP-166 **A. Santangelo** and A. Petrolini
 “Observing ultra-high-energy cosmic particles from space: S-EUSO, the Super-Extreme Universe Space Observatory Mission”
 NJPh, 11, 6, 723, 065010, (2009).

- RP-165 C. Ferrigno, P. A., Becker, A. Segreto, T. Mineo and **A. Santangelo**
 “Study of the accreting pulsar 4U 0115 using a bulk and thermal comptonization model”
 A&A, 498, 825, (2009).
- RP-164 A. D. Hoffmann, ... **A. Santangelo** and 5 co-authors
 “INTEGRAL Observations of hard X-ray variability of the TeV binary LS 5039/RX J 1826.2-1450”
 A&A, 494, L37, (2009).
- RP-163 M. Pavlinsky, ... **A. Santangelo** and 19 co-authors
 “Spectrum-RG astrophysical project”
 Proceedings of the SPIE, 7437, id. 743708, 11, (2009).
- RP-162 F. Aharonian, ... **A. Santangelo** and 153 co-authors
 “HESS observations of γ -ray bursts in 2003-2007”
 A&A, 495, 2, 505-512, (2009).
- RP-161 F. Aharonian, ... **A. Santangelo** and 152 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of Gamma-Ray Emission from the Shell-Type Supernova Remnant RCW 86 With Hess”
 ApJ, 692, 2, 1500, (2009).
- RP-160 F. Aharonian, ... **A. Santangelo** and 142 co-authors (the **H.E.S.S.** collaboration)
 “HESS Observations of the Prompt and Afterglow Phases of GRB 060602B”
 ApJ, 690, 2, 1068-1073, (2009).
- RP-159 F. Acero, ... **A. Santangelo** and 173 co-authors (the **H.E.S.S.** collaboration)
 “HESS upper limits on very high energy gamma-ray emission from the microquasar GRS 1915+105”
 A&A, 508, 1535, (2009).
- RP-158 F. Acero, ... **A. Santangelo** and 160 co-authors (the **H.E.S.S.** collaboration)
 “Detection of Gamma Rays from a Starburst Galaxy”
 Science, 326, 1080, (2009).
- RP-157 F. Aharonian, ... **A. Santangelo** and 160 co-authors (the **H.E.S.S.** collaboration)
 “Probing the ATIC peak in the cosmic-ray electron spectrum with H.E.S.S.”
 A&A, 508, 561, (2009).
- RP-156 F. Aharonian, ... **A. Santangelo** and 157 co-authors (the **H.E.S.S.** collaboration)
 “Very high energy γ -ray observations of the binary PSR B1259-63/SS2883 around the 2007 Periastron”
 A&A, 507, 389, (2009).
- RP-155 F. Aharonian, ... **A. Santangelo** and 149 co-authors (the **H.E.S.S.** collaboration)
 “Spectrum and variability of the Galactic center VHE γ -ray source HESS J1745-290”
 A&A, 503, 817, (2009).
- RP-154 F. Aharonian, ... **A. Santangelo** and 164 co-authors (the **H.E.S.S.** collaboration)
 “Simultaneous multiwavelength observations of the second exceptional γ -ray flare of PKS 2155-304 in July 2006”
 A&A, 502, 749, (2009).
- RP-153 F. Aharonian, ... **A. Santangelo** and 155 co-authors (the **H.E.S.S.** collaboration)
 “Constraints on the multi-TeV particle population in the Coma galaxy cluster with HESS observations”
 A&A, 502, 437, (2009).

- RP-152 F. Aharonian, ... **A. Santangelo** and 153 co-authors (the **H.E.S.S.** collaboration)
“A Search for Dark Matter Annihilation Signal Toward the Canis Major Overdensity with HESS”
ApJ, 691, 175, (2009).
- RP-151 F. Aharonian, ... **A. Santangelo** and 157 co-authors (the **H.E.S.S.** collaboration)
“Detection of very high energy radiation from HESS 1908+063 confirms the Milagro unidentified source MGRO J1908+06”
A&A, 499, 723, (2009).
- RP-150 F. Aharonian, ... **A. Santangelo** and 324 co-authors (the **H.E.S.S.** collaboration)
“A Simultaneous Observations of PKS 2155-304 with HESS, Fermi, RXTE, and Atom: Spectral Energy Distributions and Variability in a Low State”
ApJL, 696, L150, (2009).
- RP-149 F. Aharonian, ... **A. Santangelo** and 149 co-authors (the **H.E.S.S.** collaboration)
“HESS upper limit on the very high energy gamma-ray emission from the globular cluster 47 Tucanae”
A&A, 499, 273, (2009).
- RP-148 F. Aharonian, ... **A. Santangelo** and 164 co-authors (the **H.E.S.S.** collaboration)
“Discovery of Very High Energy γ -Ray Emission from Centaurus a with H.E.S.S.”
ApJL, 695, L40, (2009).
- RP-147 F. Aharonian, ... **A. Santangelo** and 156 co-authors (the **H.E.S.S.** collaboration)
“Very high energy gamma-ray observations of the galaxy clusters Abell 496 and Abell 85 with HESS”
A&A, 495, 27, (2009).
- RP-146 V. Acciari, ... **A. Santangelo** and 391 co-authors
“Radio Imaging of the Very-High-Energy γ -Ray Emission Region in the Central Engine of a Radio Galaxy”
Science, 325, 5939, 444, (2009).
- RP-145 I.Kreykenbom, ... **A. Santangelo** and 7 co-authors
“High variability in Vela X-1: giant flares and off states”
A&A, 492, 511, (2008).
- RP-144 D. Klockhov, **A. Santangelo**, R. Staubert and C. Ferrigno
“Giant Outburst of EXO 2030+375: pulse phase resolved analysis of INTEGRAL data”
A&A, 491, 833, (2008).
- RP-143 D. Klockhov, ... **A. Santangelo** and 7 co-authors
“INTEGRAL observations of Hercules X-1”
A&A, 482, 907, (2008).
- RP-142 K. Postnov, ... **A. Santangelo** and 4 co-authors
“The appearance of magnetospheric instability in flaring activity at the onset of X-ray outbursts in A0535+26”
A&A, 480, L21, (2008).
- RP-141 C. Ferrigno, A. Segreto, T. Mineo, **A. Santangelo** and R. Staubert
“INTEGRAL observation of the accreting pulsar 1E1145.1-6141”
A&A, 479, 533-539, (2008).
- RP-140 I. Caballero, **A. Santangelo** and 12 co-authors
“The pre-outburst flare of the A 0535+26 August/September 2005 outburst”
A&A, 480, L17, (2008).

- RP-139 J. Barnstedt, ... **A. Santangelo** and 8 co-authors
 “INTEGRAL observations of the variability of OAO 1657-415”
 A&A, 486, 293, (2008).
- RP-138 F. Aharonian, ... **A. Santangelo** and 146 co-authors (the **H.E.S.S.** collaboration)
 “Energy Spectrum of Cosmic Ray electrons at TeV energies”
 Phys. Rev. Lett., 101, 26, id. 261104, (2008).
- RP-137 F. Aharonian, ... **A. Santangelo** and 145 co-authors. (the **H.E.S.S.** collaboration)
 “Simultaneous HESS and Chandra observations of SGR A* during an X-ray flare”
 A&A, 492, L25, (2008).
- RP-136 F. Aharonian, ... **A. Santangelo** and 141 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of a VHE gamma-ray source coincident with the supernova remnant CTB 37 A”
 A&A, 490, 685, (2008).
- RP-135 F. Aharonian, ... **A. Santangelo** and 154 co-authors (the **H.E.S.S.** collaboration)
 “Limits on an Energy dependence of the speed of light from a flare of the active Galaxy PKS 2155-304”
 Phys. Rev. Lett., 101, 17, id. 170402, (2008).
- RP-134 F. Aharonian, ... **A. Santangelo** and 142 co-authors. (the **H.E.S.S.** collaboration)
 “Search for gamma rays from dark matter annihilations around intermediate mass black holes with the HESS experiment”
 Phys. Rev. D., 78, 7, (2008).
- RP-133 F. Aharonian, ... **A. Santangelo** and 141 co-authors (the **H.E.S.S.** collaboration)
 “HESS upper limits for Kepler's supernova remnant”
 A&A, 488, 219, (2008).
- RP-132 F. Aharonian, ... **A. Santangelo** and 147 co-authors (the **H.E.S.S.** collaboration)
 “Chandra and HESS observations of the supernova remnant CTB 37 B”
 A&A, 486, 829, (2008).
- RP-131 F. Aharonian. ... **A. Santangelo** and 150 co-authors (the **H.E.S.S.** collaboration)
 “Search for Gamma-rays from Dark Matter annihilations around Intermediate Mass Black Holes with the H.E.S.S. Experiment”
 Phys. Rev. D, 78, 7, id. 072008(2008).
- RP-130 F. Aharonian, ... **A. Santangelo** and 142 co-authors. (the **H.E.S.S.** collaboration)
 “Discovery of the Very High Gamma Ray emission from the vicinity of PSR J1913+1011 with H.E.S.S.”
 A&A, 484, 435-440, (2008).
- RP-129 F. Aharonian, ... **A. Santangelo** and 140 co-authors. (the **H.E.S.S.** collaboration)
 “Exploring a SNR/Molecular Clouds Association within HESS J1745-303”
 A&A, 483, 509-517, (2008).
- RP-128 F. Aharonian, ... **A. Santangelo** and 143 co-authors. (the **H.E.S.S.** collaboration)
 “Discovery of VHE γ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017”
 A&A, 481, L103, (2008).
- RP-127 F. Aharonian, ... **A. Santangelo** and 140 co-authors (the **H.E.S.S.** collaboration)
 “Discovery of very high energy gamma-ray emission coincident with molecular clouds in the W 28 (G6.4-0.1) field”
 A&A, 481, 401, (2008).

- RP-126 F. Aharonian, ... **A. Santangelo** and 126 co-authors (the **H.E.S.S.** collaboration)
 “Observations of the Sagittarius dwarf galaxy by the HESS experiment and search for a dark matter signal”
 Astropart. Phys, 29, 55, (2008).
- RP-125 F. Aharonian, ... **A. Santangelo** and 134 co-authors (the **H.E.S.S.** collaboration)
 “Upper limits from HESS active galactic nuclei observations in 2005-2007”
 A&A, 478, 387, (2008).
- RP-124 F. Aharonian, ... **A. Santangelo** and 142 co-authors (the **H.E.S.S.** collaboration)
 “HESS observations and VLT spectroscopy of PG 1553+113”
 A&A, 477, 481, (2008).
- RP-123 F. Aharonian, ... **A. Santangelo** and 134 co-authors (the **H.E.S.S.** collaboration)
 “HESS very-high-energy gamma-ray sources without identified counterparts”
 A&A, 477, 353, (2008).
- RP-122 F. Aharonian, ... **A. Santangelo** and 154 co-authors
 “Energy Spectrum of Cosmic-Ray Electrons at TeV Energies”
 Phys. Rev. Lett., 101, 26, id. 261104, (2008).
- RP-121 P. Lechner, ... **A. Santangelo** and 16 co-authors
 “The low energy detector of Simbol-X”
 Proceedings of the SPIE, 7021, id. 702110, 11, (2008).
- RP-120 T. Schanz, C. Tenzer, E. Kendziorra and **A. Santangelo**
 “A fast event preprocessor for the Simbol-X Low-Energy Detector”
 Proceedings of the SPIE, 7011, id. 70112V, 10, (2008).
- RP-119 C. Tenzer, E. Kendziorra and **A. Santangelo**
 “Monte-Carlo background simulations of present and future detectors in x-ray astronomy”
 Proceedings of the SPIE, 7011, id. 70112G, 12, (2008).
- RP-118 I. Caballero, ... **A. Santangelo** and 4 co-authors
 “Pulse Period History and Phase Resolved Spectra of 1A 0535+262”
 Proc. of the 6th Integral Workshop, ESA Publication, 2007, SP-622, (2007).
- RP-117 G. Schönherr, ... **A. Santangelo** and 6 co-authors
 “A model for cyclotron resonance scattering features”
 A&A, 472, 353-365, (2007).
- RP-116 S. Piraino, **A. Santangelo** and 5 co-authors
 “BeppoSAX observation of 4U 1705-44: detection of hard X-ray emission in the soft state”
 A&A, 471, L17-L20, (2007).
- RP-115 D. Horns, A. Hoffmann, **A. Santangelo**, F. A. Aharonian and G. P. Rowell
 “XMM-Newton observations of the first unidentified TeV gamma-ray source TeV J2032+4130”
 A&A, 469, L17-L21, (2007).
- RP-114 Caballero, ... **A. Santangelo**, and 15 co-authors.
 “A 0535+26 in the August/September 2005 outburst observed by RXTE and INTEGRAL”
 A&A, 465, L21-L24, (2007).
- RP-113 C. Ferrigno, ... **A. Santangelo** and 5 co-authors
 “INTEGRAL Observation of the accreting pulsar GX 1+4”
 A&A, 462, 995-1005, (2007).
- RP-112 **A. Santangelo** (**H.E.S.S.** collaboration)

Review: “The TeV sky with HESS: a Review”
Proceedings of the Vulcano Workshop 2006 “FRONTIER OBJECTS IN ASTROPHYSICS AND PARTICLE PHYSICS”, (2007).

- RP-111 D. Klochkov, D. Horns, **A. Santangelo** and 11 co-authors.
“INTEGRAL and Swift observations of EXO 2030+375 during a giant outburst”
A&A, 464, L45-L48, (2007).
- RP-110 F. Aharonian, ... **A. Santangelo** and 134 co-authors (the **H.E.S.S.** collaboration)
“New constraints on the mid-IR EBL from the HESS discovery of VHE γ -rays from 1ES 0229+200”
A&A, 475, L9-L13, (2007).
- RP-109 F. Aharonian, ... **A. Santangelo** and 142 co-authors (the **H.E.S.S.** collaboration)
“Discovery of VHE γ -rays from the distant BL Lacertae 1ES 0347-121”
A&A, 473, L25-L28, (2007).
- RP-108 F. Aharonian, ... **A. Santangelo** and 126 co-authors (the **H.E.S.S.** collaboration)
“Discovery of two candidate pulsar wind nebulae in very-high-energy gamma rays”
A&A, 472, 489-495, (2007).
- RP-107 F. Aharonian, ... **A. Santangelo** and 137 co-authors (the **H.E.S.S.** collaboration)
“An Exceptional Very High Energy Gamma-Ray Flare of PKS 2155-304”
ApJL, 664, L71-L74, (2007).
- RP-106 F. Aharonian, ... **A. Santangelo** and 123 co-authors (the **H.E.S.S.** collaboration)
“Detection of VHE gamma-ray emission from the distant blazar 1ES 1101-232 with HESS and broadband characterisation”
A&A, 470, 475-489, (2007).
- RP-105 F. Aharonian, ... **A. Santangelo** and 129 co-authors (the **H.E.S.S.** collaboration)
“Discovery of a point-like very-high-energy γ -ray source in Monoceros”
A&A, 469, L1-L4, (2007).
- RP-104 F. Aharonian, ... **A. Santangelo** and 125 co-authors (the **H.E.S.S.** collaboration)
“Detection of extended very-high-energy γ -ray emission towards the young stellar cluster Westerlund 2”
A&A, 467, 1075-1080, (2007).
- RP-103 F. Aharonian, ... **A. Santangelo** and 125 co-authors (the **H.E.S.S.** collaboration)
“H.E.S.S. Observations of the Supernova Remnant RX J0852.0-4622: Shell-Type Morphology and Spectrum of a Widely Extended Very High Energy Gamma-Ray Source”
ApJ, 661, 236-249, (2007).
- RP-102 F. Aharonian, ... **A. Santangelo** and 119 co-authors (the **H.E.S.S.** collaboration)
“Search for pulsed VHE gamma-ray emission from young pulsars with HESS”
A&A, 466, 543-554, (2007).
- RP-101 F. Aharonian, ... **A. Santangelo** and 115 co-authors (the **H.E.S.S.** collaboration)
“Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7-3946 with deep HESS observations”
A&A, 464, 235-243, (2007).
- RP-100 F. Aharonian, ... **A. Santangelo** and 122 co-authors (the **H.E.S.S.** collaboration)
“First ground-based measurement of atmospheric Cherenkov light from cosmic rays”
Phys. Rev. D., 75, 042004, 12 pp., (2007).
- RP-99 S. Fritz, **A. Santangelo** and 6 co-authors

- “The Broad Band Spectrum of Cygnus X-1”
ESA Publication Division, ISBN 92-9291-933-2, 341, (2007).
- RP-98 C. Ferrigno, A. Segreto, T. Mineo, **A. Santangelo** and R. Staubert
“INTEGRAL observation of the accreting pulsar 1E1145.1-6141”
ESA Publication Division, ISBN 92-9291-933-2, p. 475, (2007).
- RP-97 G. Schönherr, ... **A. Santangelo** and 5 co-authors
“Cyclotron Line Features of Magnetized Accreting Neutron Stars”
ESA Publication Division, ISBN 92-9291-933-2, 457, (2007).
- RP-96 I. Kreykenbohm, ... **A. Santangelo** and 5 co-authors
“Accreting X-Ray Pulsars Observed with INTEGRAL”
ESA Publication Division, ISBN 92-9291-933-2, 395, (2007).
- RP-95 P. Predehl, ... **A. Santangelo** and 41 co-authors.
“eROSITA”
Proceedings of the SPIE, 6686, id. 668617, 9 pp., (2007).
- RP-94 A. I. D. Hoffmann, D. Horns and **A. Santangelo**
“INTEGRAL observations of TeV plerions”
Astrophysics and Space Science, 309, 215-219, (2007).
- RP-93 **A. Santangelo**
“Ultra High Energy Neutrinos and Cosmic Rays: a “Vision” for the next decade”
Nuclear Physics B Proceedings Supplements, 166, 77-83, (2007).
- RP-92 F. Aharonian, ... **A. Santangelo** and 112 co-authors (the **H.E.S.S.** collaboration)
“3.9-day orbital modulation in the TeV γ -ray flux and spectrum from the X-ray binary LS 5039”
A&A, 460, 743-749, (2006).
- RP-91 F. Aharonian, ... **A. Santangelo** and 113 co-authors (the **H.E.S.S.** collaboration)
“Energy dependent γ -ray morphology in the pulsar wind nebula HESS J1825-137”
A&A, 460, 365-374, (2006).
- RP-90 S. Fritz, ... **A. Santangelo** and 6 co-authors.
“A torque reversal of 4U 1907+09”
A&A, 458, 885-893, (2006).
- RP-89 **A. Santangelo**
Review: “High Mass X-ray Binary Pulsars: a brief Review at Hard X-Rays”
CP840, The Transient Milky Way: A perspective for MIRAX, ed. By F. D’Amico, J. Braga, R.E. Rotschild, American Institute of Physics, (2006).
- RP-88 D. Horns, F. Aharonian, **A. Santangelo**, A. I. D. Hoffman and C. Masterson
“Nucleonic gamma-ray production in Vela X”
A&A, 451, L51-L54, (2006).
- RP-87 **A. Santangelo**
Review: “Searching for ultra-high energy neutrinos from Space”
Progress in Particle and Nuclear Physics, 57, 375-383, (2006).
- RP-86 N. Masetti, ... **A. Santangelo** and 6 co-authors
“The BeppoSAX view of the galactic high-mass X-ray binary 4U 0114+65”

- A&A, 445, 653-660, (2006).
- RP-85 F. Aharonian, ... **A. Santangelo** and 112 co-authors. (the **H.E.S.S.** collaboration)
 “Discovery of the two "wings" of the Kookaburra complex in VHE gamma-rays with HESS”
 A&A, 456, 245-251, (2006).
- RP-84 M. Martin, ... **A. Santangelo**, and 10 co-authors
 “Test setup for DEPMOSFET matrices for XEUS”
 Proceedings of the SPIE, 6266, id. 62663P, 8 pp., (2006).
- RP-83 R. Battiston, ... **A. Santangelo** and 5 co-authors
 “Cosmic ray physics from low to extreme energies: Status and perspectives”
 Advances in Space Research, 37, 10, 1834, (2006).
- RP-82 F. Aharonian, ... **A. Santangelo** and 121 co-authors (the **H.E.S.S.** collaboration)
 “Fast Variability of Tera-Electron Volt γ Rays from the Radio Galaxy M87”
 Science, 314, 5804, 1424, (2006).
- RP-81 C. Tenzer, ... **A. Santangelo** and 6 co-authors
 “Monte Carlo simulations of stacked x-ray detectors as designed for SIMBOL-X”
 Proceedings of the SPIE, 6266, id. 62662O, 9 pp., (2006).
- RP-80 E. Kendziorra, ... **A. Santangelo** and 7 co-authors
 “Fast timing with XEUS: evaluation of different detector concepts”
 Proceedings of the SPIE, 6266, id. 62661Y, 8 pp., (2006).
- RP-79 P. Predehl, ... **A. Santangelo** and 19 co-authors
 “eROSITA”
 Proceedings of the SPIE, 6266, id. 62660P, 10 pp., (2006).
- RP-78 L. Sidoli, ... **A. Santangelo** and 8 co-authors
 “A large spin-up rate measured with INTEGRAL in the high mass X-ray binary pulsar SAX J2103.5+4545”
 A&A, 440, 1033-1039, (2005).
- RP-77 A. La Barbera, A. Segreto, **A. Santangelo** I. Kreykenbhom and M. Orlandini,
 “A study of an orbital cycle study of GX 301-2 observed with BeppoSAX”
 A&A, 438, 617-632, (2005).
- RP-76 I. Kreykenbohm, ... **A. Santangelo** and 10 co-authors
 “INTEGRAL observation of V 0332+53 in outburst”
 A&A, 433, L45-L48, (2005).
- RP-75 M. Orlandini, ... **A. Santangelo** and 11 co-authors
 “X-ray/optical observations of A0535+26/HDE 245770 in quiescence”
 Nuclear Physics B Proceedings Supplements, 132, 476-485, (2004)
- RP-74 L. Sidoli, ... **A. Santangelo** and 15 co-authors
 “Monitoring of persistent accreting pulsating neutron stars observed during the INTEGRAL Core Program”
 Nuclear Physics B Proceedings Supplements, 132, 648-651, (2004).
- RP-73 T. di Salvo, **A. Santangelo** and A. Segreto
 “Hard X-ray emission from neutron star X-ray binaries”
 Nuclear Physics B Proceedings Supplements, 132, 446-455, (2004).
- RP-72 A. Paizis, V. Beckmann, ... **A. Santangelo** and 16 co-authors
 “First INTEGRAL observations of eight persistent neutron star low mass X-ray binaries”

- A&A, 411, L363-L367, (2003).
- RP-71 L. Natalucci, ... **A. Santangelo** and 5 co-authors
 “First IBIS results on the high energy emission of Cygnus X-2”
 A&A, 411, L395-L398, (2003).
- RP-70 **A. Santangelo**
 “The Extreme Universe Space Observatory- EUSO”
 Proceedings of the 9th course on “Astrofundamental Physics” of the “D. Chalonge” International School of Astrophysics, (2003).
- RP-69 A. La Barbera, **A. Santangelo**, M. Orlandini and A. Segreto
 “A pulse phase-dependent spectroscopic study of Vela X-1 in the 8-100 keV band”
 A&A, 400, 993-1005, (2003).
- RP-68 T. Bulik, D. God nk-Rosinska, **A. Santangelo** and 3 co-authors
 “A Puzzling Paucity of Double Peaked X-ray Pulsars”
 A&A, 404, 1023-1032 (2003).
- RP-67 S. Campana, L. Stella, ... **A. Santangelo**, and 5 co-authors
 “The 1998 outburst of the X-ray transient XTE J2012+381 as observed with BeppoSAX”
 A&A, 384, 163-170, (2002).
- RP-66 S. Piraino, **A. Santangelo** and P. Kaaret
 “X-ray Spectral and Timing Observations of Cyg X-2”
 ApJ, 567, 1091-1101, (2002).
- RP-65 N. Masetti, D. Dal Fiume, ... **A. Santangelo** and 10 co-authors
 “X-ray and optical monitoring of the peculiar source 4U 1700+24/V934 Her”
 A&A, 382, 104-117, (2002).
- RP-64 F. Frontera, A. A. Zdziarski, ... **A. Santangelo** and 12 co-authors
 “A Measurement of the Broadband Spectrum of XTE J1118+480 with BeppoSAX and Its Astrophysical Implications”
 ApJ, 561, 1006-1015, (2001).
- RP-63 T. Oosterbroek, A. N. Parmar, ... **A. Santangelo** and 3 co-authors
 “A BeppoSAX observation of Her X-1 during the first main-on after an anomalous low-state: Evidence for rapid spin-down”
 A&A, 375, 922-927, (2001).
- RP-62 F. Bocchino, A.N. Parmar, ... **A. Santangelo** and 3 co-authors
 “X-ray emission in the direction of the SNR G318.2+0.1”
 A&A, 367, 629-634, (2001).
- RP-61 F. Frontera, E. Palazzi, ... **A. Santangelo** and 13 co-authors.
 “Broadband Spectrum of Cygnus X-1 in Two Spectral States with BeppoSAX”
 ApJ, 546, 1027-1037, (2001).
- RP-60 S. Piraino, **A. Santangelo** and P. Kaaret
 “Detection of a broad iron emission line and sub-millisecond quasiperiodic oscillations from the type I X-ray burster 4U 1728-34 in a high state”
 A&A, 360, L35-L38, (2000).
- RP-59 S. Piraino, **A. Santangelo** ... and 9 co-authors
 “BeppoSAX observation of the transient X-ray pulsar GS 1843+00”
 A&A, 357, 501-506, (2000).

- RP-58 M. Orlandini, A. N. Parmar, F. Frontera, N. Masetti, D. Dal Fiume, A. Orr, A. Piccioni, G. Raimondo, **A. Santangelo**, G. Valentini and T. Belloni
 “X-ray/optical observations of XTE J0421+560/CI Cam in quiescence”
 A&A, 356, 163, (2000).
- RP-57 A.N. Parmar, T. Oosterbroek, S. Del Sordo, A. Segreto, **A. Santangelo**, D. Dal Fiume and M. Orlandini
 “Broad-band BeppoSAX observation of the low-mass X-ray binary X 1822-371”
 A&A, 356, 175, (2000).
- RP-56 T. Oosterbroek, A.N. Parmar, D. Dal Fiume, M. Orlandini, **A. Santangelo**, S. Del Sordo, and A. Segreto
 “BeppoSAX spectroscopy of the Hercules X-1 short-on state”
 A&A, 353, 575-582, (2000).
- RP-55 P. Grandi, ... **A. Santangelo** and 11 co-authors
 “BeppoSAX observations of the Radio Galaxy Centaurus A”
 Advances in Space Research, 25, 3-4, 485-488, (2000).
- RP-54 G. Cusumano, ... **A. Santangelo** and 5 co-authors
 “BeppoSAX observation of 4U 1907+09: Detection of a Cyclotron Line and its Second Harmonic”
 Advances in Space Research, 25, 3-4, 409-412, (2000).
- RP-53 M. Orlandini, D. dal Fiume, ... **A. Santangelo** and 5 co-authors
 “BeppoSAX observations of an Orbital Cycle of the X-ray Binary Pulsar GX 301-2”
 Advances in Space Research, 25, 3-4, 417-420, (2000).
- RP-52 S. del Sordo, D. dal Fiume, M. Oriandini, S. Piraino, **A. Santangelo** and A. Segreto
 “BEPPOSAX observations of the massive X-ray pulsar Cen X-3: Broad-band spectra and iron line diagnostic.”
 Advances in Space Research, 25, 3-4, 413-416, (2000).
- RP-51 D. dal Fiume, ... **A. Santangelo** and 8 co-authors
 “The Broad Band Spectral Properties of Binary X-ray Pulsars”
 Advances in Space Research, 25, 3-4, 399-408, (2000).
- RP-50 A.N. Parmar, ... **A. Santangelo** and 5 co-authors
 “X-ray observations during a HER X-1 anomalous low-state”
 A&A, 350, L5-L8, (1999).
- RP-49 T. Oosterbroek, ... **A. Santangelo** and 7 co-authors
 “Discovery of a faint 437 s X-ray pulsar 1SAX J1452.8-5949”
 A&A, 351, L33-L36, (1999).
- RP-48 M. Orlandini, ... **A. Santangelo** and 5 co-authors
 “The broad-band spectrum of OAO1657-415 with it BeppoSAX: in search of cyclotron lines”
 A&A, 349, L9, (1999).
- RP-47 S. Piraino, **A. Santangelo**, E. C. Ford and P. Kaaret
 “BeppoSAX observations of the atoll X-ray binary 4U 0614+091”
 A&A, 349, L77, (1999).
- RP-46 **A. Santangelo**, A. Segreto, ... and 9 co-authors
 “A BEPPOSAX Study of the Pulsating Transient X0115+63: The First X-Ray Spectrum with Four Cyclotron Harmonic Features”
 ApJ, 523, L85, (1999).

- RP-45 P. Kaaret, ... **A. Santangelo**, and 6 co-authors
 “Strong-Field Gravity and X-Ray Observations of 4U 1820-30”
 ApJ, 520, L37, (1999).
- RP-44 R. Fusco-Femiano, ... **A. Santangelo** and 6 co-authors
 “Hard X-Ray Radiation in the Coma Cluster Spectrum”
 ApJ, 513, L21, (1999).
- RP-43 P. Kaaret, S. Piraino, E. Ford, C. Eric and **A. Santangelo**
 “Discovery of Microsecond Soft Lags in the X-Ray Emission of the Atoll Source 4U 1636-536”
 ApJ, 514, L31, (1999).
- RP- 42 G. Malaguti, ... **A. Santangelo** and 22 co-authors
 “BeppoSAX broad-band spectra of Seyfert 2 galaxies”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 542-545, (1999).
- RP-41 P. Soffitta, ... **A. Santangelo** and 4 co-authors
 “X-ray mapping of an IR selected star forming region with BeppoSAX NFI's”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 383-386, (1999).
- RP-40 L. Chiappetti, ... **A. Santangelo** and 5 co-authors
 “BeppoSAX observations of the exotic black hole candidate GX 339-4”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 340-343, (1999).
- RP-39 F. Frontera, ... **A. Santangelo** and 7 co-authors
 “High energy properties of X-ray sources observed with BeppoSAX”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 286-293, (1999).
- RP-38 G. Cusumano, ... **A. Santangelo**, and 9 co-authors
 “Phase resolved spectroscopy of Crab Pulsar (PSR B0531+21)”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 265-268, (1999).
- RP-37 S. Piraino, ... **A. Santangelo** and 10 co-authors
 “BeppoSAX observation of the transient X-ray pulsar GS 1843+009”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 220-223, (1999).
- RP-36 S. del Sordo, ... **A. Santangelo**, and 4 co-authors
 “A BeppoSAX observation of the massive X-ray pulsar Cen X-3”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 162-165, (1999).
- RP-35 M. Orlandini, ... **A. Santangelo** and 7 co-authors
 “BeppoSAX observations of the X-ray binary pulsar 4U 1626-67”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 158-161, (1999).
- RP-34 **A. Santangelo**, ... and 7 co-authors
 “Wide band pulse phase resolved spectroscopy with BeppoSax”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 151-157, (1999).
- RP-33 D. dal Fiume, ... **A. Santangelo** and 7 co-authors
 “The broad band spectral properties of galactic X-ray binary pulsars”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 145-150, (1999).
- RP-32 G. L. Israel, ... **A. Santangelo** and 14 co-authors
 “SAX and XTE observations of GX 1+4, SMC X-1, RX J0146.9+6121 and 4U 0142+614, a sample
 of X-ray pulsators with extreme properties”
 Nuclear Physics B Proceedings Supplements, 69, 1-3, 141-144, (1999).
- RP-31 A. Orr, ... **A. Santangelo** and 6 co-authors

- “The extraordinary X-ray spectrum of {XTE J0421+560}”
A&A, 340, L19, (1998).
- RP-30 **A. Santangelo**, S. del Sordo, A. Segreto, D. dal Fiume, M. Orlandini and S. Piraino
“BeppoSAX detection of a Cyclotron Feature in the spectrum of CEN X-3”
A&A, 340, L55, (1998).
- RP-29 T. Oosterbroek, ... **A. Santangelo** and 5 co-authors
“The 1998 outburst of the X-ray transient 4U 1630-47 observed with it BeppoSAX”
A&A, 340, 431, (1998).
- RP-28 **A. Santangelo**, G. Cusumano, ... and 5 co-authors
“A BeppoSAX observation of XTE J0055-724 = 1SAX J0054.9-7226, a new X-ray pulsar in the SMC”
A&A, 338, L59, (1998).
- RP-27 G. Cusumano, ... **A. Santangelo** and 5 co-authors
“Detection of a cyclotron line and its second harmonic in 4U1907+09”
A&A, 338, L79, (1998).
- RP-26 G.L. Israel, ... **A. Santangelo** and 5 co-authors
“ROSAT archival observations of 1SAX J0054.9-7226 = 2E 0053.2-7242, a newly discovered X-ray pulsar in the SMC”
A&A, 334, L65, (1998).
- RP-25 M. Orlandini, ... **A. Santangelo**, and 7 co-authors
“BEPPOSAX Observation of 4U 1626-67: Discovery of an Absorption Cyclotron Resonance Feature”
ApJ, 500, L163, (1998).
- RP-24 L. Burderi, T. di Salvo, N.R. Robba, S. del Sordo, **A. Santangelo** and A. Segreto
“Temporal Analysis of EXO 0531-66 in Outburst”
ApJ, 498, 831, (1998).
- RP-23 D. dal Fiume, ... **A. Santangelo** and 9 co-authors
“The broad-band (0.1-200 keV) spectrum of HER X-1 observed with BeppoSAX”
A&A, 329, L41, (1998).
- RP-22 F. Favata, ... **A. Santangelo** and 8 co-authors
“The broad-band X-ray spectrum of the CAS A supernova remnant as seen by the BeppoSAX observatory”
A&A, 324, L49, (1997).
- RP-21 G. Manzo, ... **A. Santangelo** and 5 co-authors
“The high pressure gas scintillation proportional counter on-board the BeppoSAX X-ray astronomy satellite”
A&AS, 122, 341, (1997).
- RP-20 A. Segreto, S. Piraino, **A. Santangelo**, G. Fazio and S. Giarrusso
“BeppoSAX HPGSPC in-flight background”
Proc. SPIE, 3114, 625-635, (1997).
- RP-19 J. Tomsick, ... **A. Santangelo** and 10 co-authors
“Calibration of the Stellar X-Ray Polarimeter”
Proc. SPIE, 3114, 373-383, (1997).
- RP-18 **A. Santangelo**, S. Piraino, A. Segreto, G. Fazio and S. Giarrusso
“In-orbit performance and calibration of the High-Pressure Gas Scintillation Proportional

- Counter on board the BeppoSAX satellite”
Proc. SPIE, 3114, p. 216-227, (1997).
- RP-17 P. Soffitta, ... **A. Santangelo** and 21 co-authors
“Progress on the development of the Stellar X-ray Polarimeter on board of the Spectrum-X-Gamma Satellite.”
Nuovo Cimento C, 20C, 5, 829, (1997).
- RP-16 G. Fazio, ... **A. Santangelo** and 8 co-authors
“The on-ground calibration of the flight model of the HPGSPC onboard the SAX satellite: calibration set-up and preliminary results.”
Nuovo Cimento C, 20C, 5, 819, (1997).
- RP-15 S. Giarrusso, G. Manzo, **A. Santangelo**, M. Biserni and P. Dalla Ricca
“Reconstruction Algorithm and full area energy resolution of the scientific prototype of the high pressure gas scintillation proportional counter on board the SAX satellite”
Nucl. Instrum. & Met.A, 354, 567, (1995).
- RP-14 S. Hanany, ... **A. Santangelo** and 4 co-authors
“Systematic Errors in polarization-dependent electron yield experiments”
Nucl. Instrum. & Met.B, 101, 231, (1995).
- RP-13 S. Giarrusso, **A. Santangelo** and 8 co-authors
“High-Pressure Gas Scintillation Proportional Counter on SAX and its performance Characteristics”
Proc. SPIE, 2517, 234-248, (1995).
- RP-12 P. S. Shaw, S. Hanany, ... **A. Santangelo** and 3 co-authors
“Study of photoemission spectroscopy with polarized x-rays”
Proc. SPIE, 2283, 119-127, X-Ray and Ultraviolet Spectroscopy and Polarimetry, Silvano Fineschi Ed., (1995).
- RP-11 P.S. Shaw, S. Hanany, ... **A. Santangelo** and 5 co-authors
“The polarization dependence of X-ray photoelectron yield of a Au photocathode”
J. Appl. Phys. 76, 4358, (1994).
- RP-10 E. H. Silver, ... **A. Santangelo** and 11 co-authors
“X-ray performance of the engineering prototype Stellar X-Ray Polarimeter”
Proc. SPIE 2283, 60-69, X-Ray and Ultraviolet Spectroscopy and Polarimetry, Silvano Fineschi Ed., (1994).
- RP-9 P. E. Kaaret, ... **A. Santangelo** and 23 co-authors
“Status of the stellar x-ray polarimeter for the Spectrum-X-Gamma mission”
Proc. SPIE, 2010, 22-27, X-Ray and Ultraviolet Polarimetry, Silvano Fineschi Ed., (1994).
- RP-8 S. Hanany, P. Shaw, ... **A. Santangelo** and 4 co-authors
“Measurement of the Electron Yield of CSI with Polarized X Rays”
Phys. Rev. B, 48, 2, 701, (1993).
- RP-7 P. Soffitta, ... **A. Santangelo** and 18 co-authors
“Status of the development of the imaging proportional counters for the Stellar X-ray Polarimeter.”
Nuovo Cimento C, 16, 6, 703-707, (1993).
- RP-6 E. Costa, ... **A. Santangelo** and 20 co-authors
“SXR-P an X-Ray Polarimeter for the Spectrum X-Gamma Mission”
Il Nuovo Cimento, 15C, 791, (1992).

- RP- 5 E. Costa, ... **A. Santangelo** and 11 co-authors
 “Performances of the Imaging Proportional Counter of the Stellar X-ray Polarimeter”
 Proceedings of the Meeting, San Diego, CA, July 22-24, 1992 (A93-29476 10-35), p. 113-124.
 SPIE, (1992).
- RP- 4 P. S. Shaw, S. Hanany, Y. Liu, E. D. Church, J. Fleischman, P. Kaaret, R. Novick and
A. Santangelo
 “Vectorial photoelectric effect at 2.69 keV”
 Proceedings of the Meeting, San Diego, CA, July 23, 24, 1991, SPIE, (1991).
- RP- 3 P. Kaaret, ... **A. Santangelo** and 24 co-authors
 “Status of the Stellar X-Ray Polarimeter for the Spectrum-X-Gamma mission”
 Proceedings of the 123rd. Colloquium of the International Astronomical Union, U.S.A., April 24-
 27, (1990).
- RP- 2 P. Kaaret, ... **A. Santangelo** and 23 co-authors
 “The Stellar X-Ray Polarimeter for the Spectrum-X Mission”
 Proceedings of the Meeting, San Diego, CA, July 23, 24, 1991, SPIE, (1991).
- RP-1 G. Compagno, M. Palma and **A. Santangelo**
 “Virtual Cloud effects in perturbed atoms”
 Physica Scripta T21, (1988).

