

dr hab. ŁUKASZ STAWARZ

LIST OF PUBLICATIONS

total refereed publications = 356; total citations = 27,179; H-index = 81
(as of March 2023, according to the SAO/NASA Astrophysics Data System [ADS])

2023

513. Migliori, G., Siemiginowska, A., Sobolewska, M., Cheung, C. C., **Stawarz, Ł.**, Schwartz, D., Snios, B., Saxena, A., Kashyap, V.
'The extremely X-ray luminous quasar CFHQS J142952+544717 at $z = 6.18$ under Chandra high-angular resolution lens'
2023, Monthly Notices of the Royal Astronomical Society, submitted
512. Rałowski, M., Hryniewicz, K., Pollo, A., & **Stawarz, Ł.**
'Covering factor in AGNs: evolution versus selection'
2023, Astronomy & Astrophysics, submitted
511. Kosmaczewski, E., **Stawarz, Ł.**, Cheung, C.C., Bamba, A., Karska, A., Rocha, W.R.M.
'Multiwavelength Survey of Dark Globule DC 314.8-5.1: Point Source Identification and Diffuse Emission Characterization'
2023, the Astrophysical Journal, submitted (arXiv:2209.02372)
510. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'HESS J1809-193: a halo of escaped electrons around a pulsar wind nebula?'
2022, Astronomy & Astrophysics, in press (arXiv:2302.13663)
509. Sobolewska, M., Siemiginowska, A., Migliori, G., Ostorero, L., & **Stawarz, Ł.**
'Environment and X-ray variability of Compact Symmetric Objects unveiled with XMM-Newton and NuSTAR'
2023, the Astrophysical Journal, in press
508. Wójtowicz, A., **Stawarz, Ł.**, Cheung, C.C., Werner, N., & Rudka, D.
'Radio Emission of Nearby Early-type Galaxies at Low and Very-Low Radio Luminosity Range'
2023, the Astrophysical Journal, 944, 195
507. Król, D. L., **Stawarz, Ł.**, Krzesiński, J., & Cheung, C. C.
'Gravitational Microlensing Events in the Optical Lightcurve of Active Galaxy S5 0716+714'
2023, the Astrophysical Journal, 943, 171

2022

506. Abe, H., et al. [for the H.E.S.S. Collaboration]
'Gamma-ray observations of MAXI J1820+070 during the 2018 outburst'
2022, Monthly Notices of the Royal Astronomical Society, 517, 4736
505. Thimmappa, R., **Stawarz, Ł.**, Neilsen, J., Ostrowski, M., & Reville, B.
'X-ray Spectral Analysis of the Jet Termination Shock in Pictor A on Sub-Arcsecond Scales with Chandra'
2022, the Astrophysical Journal, 941, 204
504. Sobolewska, M., Migliori, G., Ostorero, L., Siemiginowska, A., **Stawarz, Ł.**, et al.
'The Origin of High Energy Emission in the Young Radio Source PKS 1718-649'
2022, the Astrophysical Journal, 941, 52

503. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'A deep spectromorphological study of the γ -ray emission surrounding the young massive stellar cluster Westerlund 1'
 2022, *Astronomy & Astrophysics*, 666, A124
502. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Search for dark matter annihilation signals in the H.E.S.S. Inner Galaxy Survey'
 2022, *Physical Review Letters*, 129, 111101
501. Zdziarski, A. A., **Stawarz, L.**, Sikora, M., & Nalewajko
'A simple analytical model of magnetic jets'
 2022, *Monthly Notices of the Royal Astronomical Society*, 515, L17
500. Kosmaczewski, E., **Stawarz, L.**, Rocha, W.R.M., Shenoy, S.S., & Karska, A.
'Spectroscopic Diagnostics of the Mid-infrared Features of the Dark Globule DC 314.8-5.1 with the Spitzer Space Telescope'
 2022, *the Astrophysical Journal*, 934, 94
499. Markowitz, A. G., Nalewajko, K., Bhatta, G., Dewangan, G. C., et al.
'Rapid X-ray Variability in Mkn 421 during a Multiwavelength Campaign'
 2022, *Monthly Notices of the Royal Astronomical Society*, 513, 1662
498. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Evidence for γ -ray emission from the remnant of Kepler's SN based on deep H.E.S.S. observations'
 2022, *Astronomy & Astrophysics*, 662, A65
497. Aharonian, F., et al. [for the H.E.S.S. Collaboration]
'Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi'
 2022, *Science*, 376, 77
496. Król, D. L., **Stawarz, L.**, Begelman, M. C., Marti, J.-M., Perucho, M., & Petrenko, B. A.
'Magnetization of Relativistic Current-Carrying Jets with Radial Velocity Shear'
 2022, *the Astrophysical Journal*, 929, 181
495. Dalgleish, H. et al. [for the H.E.S.S. Collaboration] 2022. *'Astronomy outreach in Namibia: H.E.S.S. and beyond* 37th International Cosmic Ray Conference. 12-23 July 2021. id.1397
494. Acciari, V. A. et al. [for the H.E.S.S. Collaboration] 2022. *'Searching for VHE gamma-ray emission associated with IceCube neutrino alerts using FACT, H.E.S.S., MAGIC, and VERITAS* 37th International Cosmic Ray Conference. 12-23 July 2021. id.960
493. Seglar Arroyo, M. et al. [for the H.E.S.S. Collaboration] 2022. *'H.E.S.S. follow-up of BBH merger events'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.943
492. Bony (de), M. et al. [for the H.E.S.S. Collaboration] 2022. *'Detection of new Extreme BL Lac objects with H.E.S.S. and Swift XRT'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.823
491. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. *'Is PKS 0625-354 another variable TeV active galactic nucleus?'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.814
490. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. *'H.E.S.S. ToO program on nearby core-collapse Supernovae : search for very-high energy gamma-ray emission towards the SN candidate AT2019krl in M74'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.809
489. Prokhorov, D. et al. [for the H.E.S.S. Collaboration] 2022. *'Deep observations of Kepler's SNR with H.E.S.S.'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.805
488. Giunti, L. et al. [for the H.E.S.S. Collaboration] 2022. *'Evidence of 100 TeV γ -ray emission from HESS J1702-420: A new PeVatron candidate'* 37th International Cosmic Ray Conference. 12-23 July 2021. id.793

487. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Search for TeV emission from the Fermi Bubbles at low Galactic latitudes with H.E.S.S. inner Galaxy survey*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.791
486. Sinha, A. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Search for enhanced TeV gamma ray emission from Giant Molecular Clouds using H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.790
485. Mohrmann, L. et al. [for the H.E.S.S. Collaboration] 2022. ‘*The young massive stellar cluster Westerlund 1 in gamma rays as seen with H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.789
484. Mitchell, A. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Detection of extended TeV emission around the Geminga pulsar with H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.780
483. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Revisiting the PeVatron candidate MGRO J1908+06 with an updated H.E.S.S. analysis*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.779
482. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Observation of burst activity from SGR1935+2154 associated to first galactic FRB with H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.777
481. Puehlhofer, G. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Science verification of the new FlashCam-based camera in the 28m telescope of H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.764
480. Montanari, A. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Search for dark matter annihilation signals from unidentified Fermi-LAT objects with H.E.S.S.*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.538
479. Armand, C. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Combined dark matter searches towards dwarf spheroidal galaxies with Fermi-LAT, HAWC, H.E.S.S., MAGIC, and VERITAS*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.528
478. Tavernier, T. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Limits on primordial black hole evaporation from H.E.S.S. observations*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.518
477. Abdalla, H. et al. [for the H.E.S.S. Collaboration] 2022. ‘*Search for dark matter annihilation towards the inner Milky Way halo with the H.E.S.S. Inner Galaxy Survey*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.511
476. Zanin, R. et al. [for the CTA Consortium] 2022. ‘*CTA – the World’s largest ground-based gamma-ray observatory*’ 37th International Cosmic Ray Conference. 12-23 July 2021. id.5
475. Goyal, A., Soida, M., **Stawarz, Ł.**, Wiita, P. J., Nilsson, K., et al. ‘*Multiwavelength variability power spectrum analysis of the blazars 3C 279 and PKS 1510–089 on multiple timescales*’ 2022, the Astrophysical Journal, 927, 214

2021

474. Abdalla, H., et al. [for the H.E.S.S. Collaboration] ‘*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*’ 2021, the Astrophysical Journal, 923, 109
473. Wójtowicz, A., **Stawarz, Ł.**, Machalski, J., & Ostorero, L. ‘*A Novel Method for Estimating the Ambient Medium Density Around Distant Radio Sources from Their*

- Observed Radio Spectra*
2021, the Astrophysical Journal, 922, 197
472. Balasubramaniam, K., **Stawarz, L.**, Cheung, C. C., Sobolewska, M., Marchenko, Thimmappa, R., Król, D.L., Migliori, G. & Siemiginowska, A.
'X-ray Emission of the γ -ray Loud Young Radio Galaxy NGC 3894'
2021, the Astrophysical Journal, 922, 84
471. Thimmappa, R., **Stawarz, L.**, Pajdosz-Śmierciak, U., Balasubramaniam, K., & Marchenko, V.
'Complex Structure of the Eastern Lobe of the Pictor A Radio Galaxy: Spectral Analysis and X-ray/Radio Correlations'
2021, the Astrophysical Journal, 921, 44
470. Kosmaczewski, E., **Stawarz, L.**, Cheung, C. C., Koziel-Wierzbowska, D., Marchenko, V., Ostorero, L., Siemiginowska, A., Sobolewska, M., & Wójtowicz, A.
'Mid-infrared properties of a sample of the most compact radio galaxies'
2021, Astronomische Nachrichten, 342, 1102
469. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'LMC N132D: A mature supernova remnant with a power-law γ -ray spectrum extending beyond 8 TeV'
2021, Astronomy & Astrophysics, 655, A7
468. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during Its 2020 X-Ray and Radio Bursting Phase'
2021, the Astrophysical Journal, 919, 106
467. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.'
2021, the Astrophysical Journal, 918, 17
466. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Evidence of 100 TeV γ -ray emission from HESS J1702-420: A new PeVatron candidate'
2021, Astronomy & Astrophysics, 653, A152
465. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.'
2021, the Astrophysical Journal, 917, 6
464. Abe, K., et al. [for the *Hyper-Kamiokande* Collaboration]
'Supernova Model Discrimination with Hyper-Kamiokande'
2021, the Astrophysical Journal, 916, 15
463. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Revealing x-ray and gamma-ray temporal and spectral similarities in the GRB 190829A afterglow'
2021, Science, 372, 1081
462. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.'
2021, Physical Review D, 103, 102002
461. Algaba, J. C., et al. [for the H.E.S.S. Collaboration]
'Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign'
2021, The Astrophysical Journal Letters, 911, L11
460. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy γ -ray flare in PKS 1510-089 in May 2016'
2021, Astronomy & Astrophysics, 648, A23

459. Snios, B., Siemiginowska, A., Sobolewska, M., et al. 2021, American Astronomical Society Meeting Abstracts, id. 226.01. Bulletin of the American Astronomical Society, Vol. 53

2020

458. Balasubramaniam, K., **Stawarz, Ł.**, Marchenko, V., Sobolewska, M., Cheung, C. C., Siemiginowska, A., Thimmappa, R., & Kosmaczewski, E.
‘Chandra View of the LINER-type Nucleus in the Radio-Loud Galaxy CGCG 292–057: Ionized Iron Line and Jet-ISM Interactions’
2020, the Astrophysical Journal, 905, 148
457. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘An extreme particle accelerator in the Galactic plane: HESS J1826–130’
2020, Astronomy & Astrophysics, 644, A112
456. Thimmappa, R., **Stawarz, Ł.**, Marchenko, V., Balasubramaniam, K., Cheung, C.C., & Siemiginowska, A.
‘Chandra Imaging of the Western Hotspot in the Radio Galaxy Pictor A: Image Deconvolution and Variability Analysis’
2020, the Astrophysical Journal, 903, 109
455. Król, D.L., Marchenko, V., Ostrowski, M., & **Stawarz, Ł.**
‘An Analysis of Soft X-ray Structures at Kpc Distances from the Active Nucleus of Cen A Galaxy’
2020, the Astrophysical Journal, 903, 107
454. Abdalla, H., et al. [for 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.’
2020, Physical Review D, 102, 062001
453. Abe, K., et al. [for the *Hyper-Kamiokande* Collaboration]
‘The Hyper-Kamiokande Experiment – Snowmass LOI’
2020, eprint arXiv:2009.00794
452. Snios, B., Siemiginowska, A., Sobolewska, M., Cheung, C. C., Kashyap, V., Migliori, G., Schwartz, D.A., **Stawarz, Ł.**, & Worrall, D.M.
‘X-ray Properties of Young Radio Quasars at $z > 4.5$ ’
2020, the Astrophysical Journal, 899, 127
451. Kosmaczewski, E., **Stawarz, Ł.**, Siemiginowska, A., Cheung, C. C., Ostorero, L., Sobolewska, M., Koziel-Wierzbowska, D., Wójtowicz, A., & Marchenko, V.
‘Mid-Infrared Diagnostics of the Circumnuclear Environments of the Youngest Radio Galaxies’
2020, the Astrophysical Journal, 897, 164
450. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Simultaneous observations of the blazar PKS 2155–304 from ultra-violet to TeV energies’
2020, Astronomy & Astrophysics, 639, 42
449. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Resolving acceleration to very high energies along the jet of Centaurus A’
2020, Nature, 582, 356
448. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Probing the Magnetic Field in the GW170817 Outflow Using H.E.S.S. Observations’
2020, The Astrophysical Journal Letters, 894, L16
447. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
‘Very high energy γ -ray emission from two blazars of unknown redshift and upper limits on their distance’
2020, Monthly Notices of the Royal Astronomical Society, 494, 5590

446. Wójtowicz, A., **Stawarz, L.**, Cheung, C. C., Ostorero, L., Kosmaczewski, E., & Siemiginowska, A. *‘On the Jet Production Efficiency in a Sample of the Youngest Radio Galaxies’* 2020, the Astrophysical Journal, 892, 116
445. Abdalla, H., et al. [for 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.’* 2020, Astronomy & Astrophysics, 635, 167
444. Pasierb, M., Goyal, A., Ostrowski, M., **Stawarz, L.**, Wiita, P. J., et al. *‘Multiband optical flux density and polarization microvariability study of optically bright blazars’* 2020, Monthly Notices of the Royal Astronomical Society, 492, 1295
443. Wójtowicz, A., Stawarz, L., Kosmaczewski, E. 2020. *‘Jet production efficiency in the sample of the youngest radio galaxies’*, Perseus in Sicily: From Black Hole to Cluster Outskirts. Proceedings of the International Astronomical Union, Volume 342, pp. 278-279
442. Kosmaczewski, E., Stawarz, L., Wójtowicz, A. 2020. *‘Infrared Diagnostics of the ISM in the Circumnuclear Environments of the Youngest Radio Galaxies’*, Perseus in Sicily: From Black Hole to Cluster Outskirts. Proceedings of the International Astronomical Union, Volume 342, pp. 268-269
441. Thimmappa, R., Stawarz, L., Balasubramaniam, K., Marchenko, V. 2020. *‘Preliminary analysis of the X-ray emission from the central regions of the Pictor A’*, Perseus in Sicily: From Black Hole to Cluster Outskirts. Proceedings of the International Astronomical Union, Volume 342, pp. 224-226
440. Balasubramaniam, K., et al. 2020. *‘Chandra view on the active nucleus of CGCG 292-057: Jet-ISM interactions’*, Perseus in Sicily: From Black Hole to Cluster Outskirts. Proceedings of the International Astronomical Union, Volume 342, pp. 222-223
439. Żywucka, N., Tarnopolski, M., Böttcher, M., **Stawarz, L.**, Marchenko, & V. *‘Optical Variability Modeling of Newly Identified Blazar Candidates behind Magellanic Clouds’* 2020, the Astrophysical Journal, 888, 107
438. Sobolewska, M., Siemiginowska, A., Guainazzi, M., et al. 2020, American Astronomical Society Meeting Abstracts, 436.07
437. Clautice, D., Perlman, E., Cara, M., et al. 2020, American Astronomical Society Meeting Abstracts, 304.27
436. Abdalla, H., et al. [for the H.E.S.S. Collaboration] *‘H.E.S.S. detection of very high-energy γ -ray emission from the quasar PKS 0736+017’* 2020, Astronomy & Astrophysics, 633, 162
435. Abdalla, H., et al. [for the H.E.S.S. Collaboration] *‘H.E.S.S. and Fermi-LAT observations of PSR B1259-63/LS 2883 during its 2014 and 2017 periastron passages’* 2020, Astronomy & Astrophysics, 633, 102
434. Abdalla, H., et al. [for the H.E.S.S. Collaboration] *‘Resolving the Crab pulsar wind nebula at teraelectronvolt energies’* 2020, Nature Astronomy, 4, 167

2019

433. Abdalla, H., et al. [for the H.E.S.S. Collaboration] *‘A very-high-energy component deep in the γ -ray burst afterglow’* 2019, Nature, 575, 464
432. Sobolewska, M., Siemiginowska, A., Guainazzi, M., Hardcastle, M., Migliori, G., Ostorero, L., & **Stawarz, L.** *‘First Hard X-Ray Observation of a Compact Symmetric Object: A Broadband X-Ray Study of a Radio*

- Galaxy OQ+208 with NuSTAR and Chandra*
2019, the Astrophysical Journal, 884, 166
431. McEnery, J., et al. [for the AMEGO Collaboration]
'All-sky Medium Energy Gamma-ray Observatory: Exploring the Extreme Multimessenger Universe'
2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, no. 245; Bulletin of the American Astronomical Society, Vol. 51, Issue 7, id. 245
430. Acharyya, A., et al. [for the CTA Consortium]
'Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout'
2019, Astroparticle Physics, 111, 35
429. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. observations of the flaring gravitationally lensed galaxy PKS 1830-211'
2019, Monthly Notices of the Royal Astronomical Society, 486, 3886
428. Jurysek, J., et al. [for the CTA Consortium] 2019, 36th International Cosmic Ray Conference (ICRC2019), 708
427. Heller, M., et al. [for the CTA Consortium] 2019, 36th International Cosmic Ray Conference (ICRC2019), 694
426. Alispach, C. M., et al. [for the CTA Consortium] 2019, 36th International Cosmic Ray Conference (ICRC2019), 617
425. Żywucka, N., Tarnopolski, M., Böttcher, M., et al.: *'Optical Variability Modelling Of Newly Identified Blazars And Blazar Candidates Behind Magellanic Clouds'*, 2019, High Energy Phenomena in Relativistic Outflows VII, 26
424. Abdalla, H., et al. [for 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.'
2019, Astronomy & Astrophysics, 627, 159
423. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'H.E.S.S. and Suzaku observations of the Vela X pulsar wind nebula'
2019, Astronomy & Astrophysics, 627, 100
422. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Upper Limits on Very-High-Energy γ -ray Emission from Core-Collapse Supernovae Observed with H.E.S.S.'
2019, Astronomy & Astrophysics, 626, 57
421. Zdziarski, A.A., **Stawarz, L.**, & Sikora, M.
'The effect of adiabatic losses on spectra of stationary jets and the origin of soft radio spectra of accreting black-hole sources'
2019, Monthly Notices of the Royal Astronomical Society, 485, 1210
420. Perlman, E. S., et al. 2019, AAS/High Energy Astrophysics Division, 17, 106.24
419. Sobolewska, M., et al. 2019, AAS/High Energy Astrophysics Division, 17, 106.12
418. Gupta, A.C., Gaur, H., Wiita, P.J., Pandey, A., Kushwaha, P., Hu, S.M., Kurtanidze, O.M., et al.
'Characterizing Optical Variability of OJ 287 in 2016-2017'
2019, the Astronomical Journal, 157, 95
417. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'VHE γ -ray discovery and multi-wavelength study of the blazar 1ES 2322-409'
2019, Monthly Notices of the Royal Astronomical Society, 482, 3011
416. Sobolewska, M., Siemiginowska, A., Guainazzi, M., Hardcastle, M., Migliori, G., Ostorero, L., & **Stawarz, L.**
'The Impact of the Environment on the Early Stages of Radio Source Evolution'
2019, the Astrophysical Journal, 871, 71

415. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'The 2014 TeV γ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation'
 2019, the Astrophysical Journal, 870, 93
414. Clautice, D., Perlman, E., Cara, M., et al. 2019, American Astronomical Society Meeting Abstracts #233, 233, #243.33
413. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Particle Transport within the Pulsar Wind Nebula HESS J1825-137'
 2019, Astronomy & Astrophysics, 621, 116
412. Acharya, B.S., et al. [for the CTA Consortium]
'Science with the Cherenkov Telescope Array'
 2019, Published by World Scientific Publishing Co. Pte. Ltd., . ISBN #9789813270091 (arXiv:1709.07997)

2018

411. Aharonian, F., et al. [for the *Hitomi* Collaboration]
'Detection of polarized γ -ray emission from the Crab nebula with Hitomi Soft Gamma-ray Detector'
 2018, Publications of the Astronomical Society of Japan, 70, 113
410. Abdalla, H., et al. [for 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'
 2018, Astronomy & Astrophysics, 620, 66
409. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'Searches for γ -ray lines and 'pure WIMP' spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.'
 2018, The Journal of Cosmology and Astroparticle Physics, 11, 037
408. Pajdosz-Śmierciak, U., Jamrozy, M., Soida, M., & **Stawarz, Ł.**
'Megaparsec-Scale radio Structure Associated with a Hybrid Blazar SBS B1646+499: Episodic jet Activity with Precessing Axis'
 2018, the Astrophysical Journal, 868, 64
407. Żywucka, N., Goyal, A., Jamrozy, M., **Stawarz, Ł.**, Ostrowski, M., Kozłowski, S., & Udalski, A.
'Identification of Blazars Candidates Behind Small and Large Magellanic Clouds'
 2018, the Astrophysical Journal, 867, 131
406. Abdalla, H., et al. [for 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'
 2018, Astronomy & Astrophysics, 619, 71
405. Bhatta, G., **Stawarz, Ł.**, Markowitz, A., Balasubramaniam, K., Zola, S., Zdziarski, A.A., Jamrozy, M., Ostrowski, M., Kuzmich, A., Ogłóza, W., Drózdź, M., Siwak, M., Kozieł-Wierzbowska, D., Debski, B., Kundera, T., Stachowski, G., Machalski, J., Paliya, V.S., & Caton, D.B.
'Signatures of the Disk-Jet Coupling in the Broad-line Radio Quasar 4C+74.26'
 2018, the Astrophysical Journal, 866, 132
404. Abdalla, H., et al. [for the H.E.S.S. Collaboration]
'The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT'
 2018, Astronomy & Astrophysics, 617, 73
403. Ostrowski, M., et al. [for the CTA Consortium]
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