

PUBLICATIONS ASTRONOMIE GAMMA – 19

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article

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1. Acceleration and transport of relativistic electrons in the jets of the microquasar SS 433, F. Aharonian *et al.*, HESS Collaboration, *Science* 383 (2024) nan-nan

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2. Sensitivity to point-like sources of the ALTO atmospheric particle detector array, designed for 200 GeV–50 TeV γ -ray astronomy, M. Punch *et al.*, *J. High Energy Astron. Phys* 39 (2023) 1-13
3. Sensitivity of the Cherenkov Telescope Array to spectral signatures of hadronic PeVatrons with application to Galactic Supernova Remnants, F. Acero *et al.*, CTA Consortium Collaboration, *Astropart. Phys.* 150 (2023) 102850
4. Constraining the cosmic-ray pressure in the inner Virgo Cluster using H.E.S.S. observations of M 87, F. Aharonian *et al.*, HESS Collaboration, *Astron. Astrophys.* 675 (2023) A138
5. Sensitivity of the Cherenkov Telescope Array to TeV photon emission from the Large Magellanic Cloud, A. Acharyya *et al.*, CTA Consortium Collaboration, *Mon. Not. Roy. Astron. Soc* 523 (2023) 5353-5387
6. Star tracking for pointing determination of Imaging Atmospheric Cherenkov Telescopes - Application to the Large-Sized Telescope of the Cherenkov Telescope Array, K. Abe *et al.*, CTA Consortium Collaboration, *Astron. Astrophys.* 679 (2023) A90
7. Observations of the Crab Nebula and Pulsar with the Large- sized Telescope Prototype of the Cherenkov Telescope Array, H. Abe *et al.*, CTA Consortium Collaboration, *Astrophys. J* 956 (2023) 80
8. Discovery of a Radiation Component from the Vela Pulsar Reaching 20 Teraelectronvolts, F. Aharonian *et al.*, HESS Collaboration, *Nature Astron.* 7 (2023) 1341-1350

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2. Time-resolved hadronic particle acceleration in the recurrent Nova RS Ophiuchi, S. De Wolf *et al.*, HESS Collaboration, *Science* 376 (2022) abn0567
3. Search for dark matter annihilation signals in the H.E.S.S. Inner Galaxy Survey, H. Abdalla *et al.*, HESS Collaboration, *Phys. Rev. Lett* 129 (2022) 111101

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2. Reconstruction of truncated images for PeVatron searches with the Cherenkov Telescope Array, G. Verna *et al.*, CTA Consortium Collaboration, *Nuovo Cim. C* 44 (2021) 104
3. Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign, J. C. Algaba *et al.*, *Astrophys. J. Lett* 911 (2021) L11
4. Search for dark matter annihilation in the Wolf-Lundmark- Melotte dwarf irregular galaxy with H.E.S.S., H. Abdallah *et al.*, HESS Collaboration, *Phys. Rev. D* 103 (2021) 102002
5. Signal extraction in atmospheric shower arrays designed for 200 GeV–50 TeV -ray astronomy, M. Senniappan *et al.*, *J. Instrum* 16 (2021) P07050
6. Search for dark matter annihilation signals from unidentified Fermi-LAT objects with H.E.S.S., H. Abdalla *et al.*, HESS Collaboration, *Astrophys. J* 918 (2021) 17
7. Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow, H. Abdalla *et al.*, HESS Collaboration, *Science* 372 (2021) 1081-1085
8. Evidence of 100 TeV γ -ray emission from HESS J1702-420: A new PeVatron candidate, H. Abdalla *et al.*, HESS Collaboration, *Astron. Astrophys.* 653 (2021) A152
9. LMC N132D: A mature supernova remnant with a power-law gamma-ray spectrum extending beyond 8 TeV, H. Abdalla *et al.*, HESS Collaboration, *Astron. Astrophys.* 655 (2021) A7
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11. Searching for TeV gamma-ray emission from SGR 1935+2154 during its 2020 X-ray and radio bursting phase, H. Abdalla *et al.*, HESS Collaboration, *Astrophys. J* 919 (2021) 106
12. Measurement of performance of the NectarCAM photodetectors, A. Tsiaghina *et al.*, *Nucl. Instrum. Meth. A* 1007 (2021) 165413

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3. The 2014 TeV γ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation, H. Abdalla *et al.*, HESS Collaboration, *Astrophys. J* 870 (2019) 93
4. Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout, A. Acharyya *et al.*, *Astropart. Phys.* 111 (2019) 35-53
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2. Extended VHE γ -ray emission towards SGR1806-20, LBV1806-20, and stellar cluster Cl*1806-20, H. Abdalla *et al.*, HESS Collaboration, *Astron. Astrophys.* 612 (2018) A11
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12. A search for new supernova remnant shells in the Galactic plane with H.E.S.S., H. Abdalla *et al.*, HESS Collaboration, *Astron. Astrophys.* 612 (2018) A8
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