

CTA group publications (July 2017- December 2019)

- [1] M. Cerruti, W. Benbow, X. Chen et al., “Luminous and high-frequency peaked blazars: the origin of the γ -ray emission from PKS 1424+240”, *Astronomy and Astrophysics* **606** (Oct, 2017) A68, [arXiv:1707.00804](#).
[doi:10.1051/0004-6361/201730799](#).
- [2] M. Zacharias, M. Böttcher, F. Jankowsky et al., “Cloud Ablation by a Relativistic Jet and the Extended Flare in CTA 102 in 2016 and 2017”, *Astrophysical Journal* **851** (Dec, 2017) 72, [arXiv:1711.06117](#). [doi:10.3847/1538-4357/aa9bee](#).
- [3] F. Acero, J. T. Acquaviva, R. Adam et al., “French SKA White Book - The French Community towards the Square Kilometre Array”, *arXiv e-prints* (Dec, 2017) [arXiv:1712.06950](#), [arXiv:1712.06950](#).
- [4] J. P. Lenain, “FLaapLUC: A pipeline for the generation of prompt alerts on transient Fermi-LAT γ -ray sources”, *Astronomy and Computing* **22** (Jan, 2018) 9–15, [arXiv:1709.04065](#). [doi:10.1016/j.ascom.2017.11.002](#).
- [5] M. Cerruti, A. Zech, C. Boisson et al., “Gammas and neutrinos from TXS 0506+056”, in *SF2A-2018: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics*, p. Di. Dec, 2018. [arXiv:1810.08825](#).
- [6] A. Acharyya, I. Agudo, E. O. Angüner et al., “Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout”, *Astroparticle Physics* **111** (Sep, 2019) 35–53, [arXiv:1904.01426](#).
[doi:10.1016/j.astropartphys.2019.04.001](#).
- [7] M. Zacharias, M. Böttcher, F. Jankowsky et al., “The Extended Flare in CTA 102 in 2016 and 2017 within a Hadronic Model through Cloud Ablation by the Relativistic Jet”, *Astrophysical Journal* **871** (Jan, 2019) 19, [arXiv:1811.12299](#).
[doi:10.3847/1538-4357/aaf4f7](#).
- [8] J.-P. Lenain, “Monitoring the Extragalactic High Energy Sky”, *Galaxies* **7** (Jan, 2019) 9, [arXiv:1901.06895](#). [doi:10.3390/galaxies7010009](#).
- [9] M. Zacharias, M. Böttcher, F. Jankowsky et al., “The Long-Lasting Activity in the Flat Spectrum Radio Quasar (FSRQ) CTA 102”, *Galaxies* **7** (Feb, 2019) 34, [arXiv:1902.11224](#). [doi:10.3390/galaxies7010034](#).
- [10] Y. Genolini, M. Boudaud, P. I. Batista et al., “Cosmic ray transport from AMS-02 B/C data: benchmark models and interpretation”, in *36th International Cosmic Ray Conference (ICRC2019)*, volume 36 of *International Cosmic Ray Conference*, p. 73. Jul, 2019.

- [11] M. Cerruti, A. Zech, C. Boisson et al., “Leptohadronic single-zone models for the electromagnetic and neutrino emission of TXS 0506+056”, *Monthly Notices of the RAS* **483** (Feb, 2019) L12–L16, arXiv:1807.04335. doi:10.1093/mnrasl/sly210.
- [12] J. Chevalier, D. A. Sanchez, P. D. Serpico et al., “Variability studies and modelling of the blazar PKS 2155-304 in the light of a decade of multi-wavelength observations”, *Monthly Notices of the RAS* **484** (Mar, 2019) 749–759, arXiv:1901.01743. doi:10.1093/mnras/stz027.
- [13] Y. Génolini, M. Boudaud, P. I. Batista et al., “Cosmic-ray transport from AMS-02 boron to carbon ratio data: Benchmark models and interpretation”, *Physical Review D* **99** (Jun, 2019) 123028, arXiv:1904.08917. doi:10.1103/PhysRevD.99.123028.
- [14] M. Zacharias, M. Boettcher, F. Jankowsky et al., “CTA 102 – year over year receiving you”, *arXiv e-prints* (Nov, 2019) arXiv:1911.08788, arXiv:1911.08788.
- [15] Cherenkov Telescope Array Consortium, B. S. Acharya, I. Agudo et al., “Science with the Cherenkov Telescope Array”. World Scientific Publishing Co. Pte. Ltd., 2019.
- [16] B. Biasuzzi, K. Pressard, J. Biteau et al., “Design and characterization of a single photoelectron calibration system for the NectarCAM camera of the medium-sized telescopes of the Cherenkov Telescope Array”, *Nuclear Instruments and Methods in Physics Research A* **950** (Jan, 2020) 162949, arXiv:1910.07446. doi:10.1016/j.nima.2019.162949.
- [17] S. Caroff, S. Fegan, P. Jean et al., “Determination of the single photo-electron spectrum and gain measurement for the Cherenkov Telescope Array camera NectarCAM”, *Proc. SPIE Int. Soc. Opt. Eng.* **11119** (2019) 111191W. doi:10.1117/12.2530996.