Publications

Conference Proceedings

- *A next-generation ground-based wide field-of-view gamma-ray observatory in the southern hemisphere*, H. Schoorlemmer (on behalf of the SWGO collaboration), PoS(ICRC2019)785

Related publications

Science case white paper

- *Science Case for a Wide Field-of-View Very-High-Energy Gamma-Ray Observatory in the Southern Hemisphere*, SGSO-alliance, arXiv:1902.08429

Contributions to the ASTRO2020 decadal survey

Instrument

- *The Southern Wide-Field Gamma-Ray Observatory (SWGO): A Next-Generation Ground-Based Survey Instrument for VHE Gamma-Ray Astronomy* . Petra Huentemeyer *et al*., arXiv:1907.07737

Science cases

- *All-Sky time domain astrophysics with Very High Energy Gamma raysmisphere,* K. Satalecka + F. Schüssler et al., DecadalSurveyASTRO2020_TransientsSGSO.pdf
- *Searching for Sources of TeV Particle Dark Matter in the Southern Hemisphere*, A. Albert et al., DecadalSurveyASTRO2020_DM_Sources.pdf
- *Pulsars in a Bubble? Following Electron Diffusion in the Galaxy with TeV Gamma Rays,* H. Fleischhack et al., Link to submitted version, Arxiv link
- Surveying TeV Gamma-ray Emission from Active Galactic Nuclei, Fraija et al., DecadalSurveyASTRO2020_AGNSGSO.pdf
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- The GeV–TeV Sun: A New Laboratory for Astroparticle Physics, M. U. Nisa et al. :sun_2020.pdf

General considerations

- H. Schoorlemmer, J.A. Hinton, R. López-Coto.“Characteristics of extensive air showers around the energy threshold for ground-particle-based γ-ray observatories”, Eur. Phys. J. C (2019) 79: 427. doi:https://doi.org/10.1140/epjc/s10052-019-6942-x

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