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), Proceedings of ICRC 2019, PoS(ICRC2019)785
- *The Southern Wide-Field Gamma-ray Observatory (SWGO)*, Proceedings of IWARA 2020 Virtual Conference, Ulisses Barres de Almeida (for the SWGO Collaboration), https://arxiv.org/abs/2012.13740
- *The Southern Wide-field Gamma-ray Observatory: Status and Prospects* , J. A. Hinton (on behalf of the SWGO collaboration), Proceedings of ICRC 2021, https://ui.adsabs.harvard.edu/abs/2021arXiv211113158H/abstract

Related publications

SWGO-related papers (Cat2)

- López-Coto, R. ; Doro, M. ; de Angelis, A. ; Mariotti, M. ; Harding, J. P., accepted for publication in JCAP 2021, *Prospects for the Observation of Primordial Black Hole evaporation with the Southern Wide Field of View Gamma-ray Observatory*, https://ui.adsabs.harvard.edu/abs/2021arXiv210316895L/abstract

Papers with mention to SWGO (Cat3)

- Elena Orlando and Andrew Strong, 2021. *StellarICS: inverse Compton emission from the quiet Sun and stars from keV to TeV* , https://ui.adsabs.harvard.edu/abs/2021JCAP...04..004O/abstract
- G. La Mura et al. MNRAS 497 (2020) 3, *Detection of VHE gamma-ray transients with monitoring facilities*, https://arxiv.org/abs/2001.04503
- Aion Viana et al. 2019. *Searching for Dark Matter in the Galactic Halo with a Wide Field of View TeV Gamma-ray Observatory in the Southern Hemisphere* , https://arxiv.org/abs/1906.03353

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

- *Characteristics of extensive air showers around the energy threshold for ground-particle-based γ-ray observatories*, H. Schoorlemmer, J.A. Hinton, R. López-Coto. Eur. Phys. J. C (2019) 79: 427. doi:https://doi.org/10.1140/epjc/s10052-019-6942-x
- *Baseline Design for a Next Generation Wide-Field-of-View Very-High-Energy Gamma Ray Observatory*, H. Schoorlemmer, R. Lopez-Coto and J. Hinton,PoS(ICRC2017)819
- *On the scientific motivation for a wide field-of-view TeV gamma-ray observatory in the Southern Hemisphere*, M. Mostafa, S. BenZvi, H. Schoorlemmer, F. Schüssler on behalf of the HAWC Collaboration,PoS(ICRC2017)851

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- *A double-layered Water Cherenkov Detector array for Gamma-ray astronomy*, S. Kunwar et al. NIM A 1050, 168138 (2023)
- *Design and expected performance of a novel hybrid detector for very-high-energy gamma-ray astrophysics*, P. Assis, U. Barres de Almeida, A. Blanco, R. Conceição, B. D'Ettorre Piazzoli, A. De Angelis, M. Doro, P. Fonte, L. Lopes, G. Matthiae, M. Pimenta, R. Shellard, B. Tomé, https://www.sciencedirect.com/science/article/pii/S0927650518300586?via%3Dihub
- *Design of the LHAASO detectors,* Huihai He for the LHAASO Collaboration, https://link.springer.com/article/10.1007/s41605-018-0037-3
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- *Simulation study for the proposed wide field-of-view gamma-ray detector array ALTO*, S. Thoudam, Y. Becherini and M. Punch,PoS(ICRC2017)780

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