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The Southern Wide-field Gamma-Ray Observatory (SWGGO)

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The Southern Wide-field Gamma-ray Observatory (SWGGO) Collaboration is currently engaged in design and prototyping work towards the realization of this future gamma-ray facility in the Southern Hemisphere. SWGGO be a next-generation, wide-field-of-view, survey instrument sensitive to gamma rays from ~100 GeV to hundreds of TeV. Its science topics are numerous and diverse, including probing physics beyond the Standard Model, monitoring the transient sky at very-high energies, unveiling Galactic and extragalactic particle accelerators, and the characterization of the cosmic-ray flux. Due to its location and large field of view, SWGGO will be complementary to other current and planned gamma-ray observatories such as HAWC, LHAASO, and CTA.

In-person or Virtual?

In-person

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