

## Letters of Interest Submission



Contribution ID: 34

Type: **not specified**

# Continued gamma-ray observations with H.E.S.S. – Letter of Interest

The High Energy Stereoscopic System (H.E.S.S.) is an array of 5 Imaging Atmospheric Cherenkov telescopes (IACTs), located near Windhoek, Namibia, sensitive to very-high-energy (VHE) gamma rays with energies above  $\sim 100$  GeV. It is the World's largest and most sensitive ground-based gamma-ray telescope system and scientifically hugely successful in many different fields of high-energy astrophysics, including time-domain and multi-messenger astronomy. A successor, the Cherenkov Telescope Array (CTA), is being constructed in Chile and La Palma but the World's largest IACT will remain unrivalled in the foreseeable future. This, together with H.E.S.S.'s capabilities for and the importance of time-domain astronomy as well as the favourable aspect of time-zone difference, being able to observe 8 hours ahead of CTA south in Chile, makes it most desirable to keep H.E.S.S. in operation even after the CTA becomes operational.

### Primary Category

Astrophysics & Cosmology

### Secondary Category

NONE

### Subgroup categories

Astro&Cosmo—High-energy astrophysics and astro-particle physics

### Did you / will you submit this LOI to another category?

NO

### Additional Information

Galactic and Extragalactic Astronomy; Transients and Pulsars

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