

# Workshop on a wide field-of-view Southern Hemisphere TeV gamma ray observatory

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## Extreme Altitude All-Sky Observatories

*Friday, 11 November 2016 10:00 (30 minutes)*

This talk will be an overview of the physics and techniques that underlay the performance of all-sky ground-based gamma-ray observatories. An important aspect of the discussion will be on establishing the scientific case for building such an instrument. I will end with some generic simulation results that demonstrate the effect of altitude on the response of such arrays and some potential locations for such an array.

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**Session Classification:** Motivation for a Wide-FOV Observatory

**Track Classification:** Gamma ray science