

## Letters of Interest Submission



Contribution ID: 33

Type: **not specified**

# The first millimetre-wave radio telescope in Africa: the Africa Millimetre Telescope –Letter of Interest

The Event Horizon Telescope (EHT) is an earth-size virtual telescope that comprises of several telescopes that observe together at mm to sub-mm wavelengths in the mode of very long baseline interferometry (VLBI). The EHT is used to image supermassive black holes (SMBH) such as Sagittarius A\* and was recently used to image M87, the famous “first image of a black hole” in 2017 which was subsequently unveiled in 2019. Whilst EHT’s antennas are distributed around the globe, none of these antennas are located on the African continent. The Africa Millimetre Telescope (AMT) will be Africa’s first mm-wave radio telescope and is planned to be built on the Gamsberg Mountain in Namibia. The AMT will have aims to have significant impact on human capacity development in Namibia and Africa.

### Primary Category

Astrophysics & Cosmology

### Secondary Category

NONE

### Subgroup categories

Astro&Cosmo—Astronomical instrumentation and infrastructure

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

NO

### Additional Information

High-Energy Astrophysics; Astronomy for Development

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