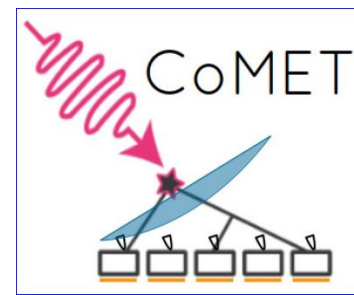


The CoMET multiperspective event tracker for wide field-of-view gamma-ray astronomy

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What is this contribution about?

We present the CoMET project (Cosmic Multiperspective Event Tracker, currently in R&D), a high-altitude ground-based observatory aimed at the observation of very-high-energy (VHE) gamma-rays with energies ranging from 200 GeV to 100 TeV. The CoMET array combines an array of particle detectors called ALTO with an array of atmospheric Cherenkov Light Collectors (CLiC).

Why is it revealing/interesting?

The proposed CoMET project covers a large energy range, with a threshold suited for detection of extragalactic soft-spectrum gamma-ray sources.

What have we done?

We are showing preliminary results coming from a simulation study of the ALTO particle array with added CLiC detectors. We also briefly present the past and near-future CLiC prototype activities at the Linnaeus University in Växjö, Sweden.

What is the result?

Our preliminary results show that the CLiC array is able to provide an improvement to the angular resolution, energy reconstruction, signal-to-background ratio and sensitivity of the ALTO array during darkness.

