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Salvatore Scuderi: Astri Mini-Array

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The ASTRI Mini-Array is an INAF project to build and operate a facility to study astronomical sources emitting very energy high energy in the TeV spectral band. It consists of a group of nine innovative aplanatic dual mirror Imaging Atmospheric Cherenkov telescopes. The telescopes will be installed at the Teide Astronomical Observatory of the Instituto de Astrofisica de Canarias in Tenerife (Canary Islands, Spain) on the basis of a host agreement with INAF. Thanks to its expected overall performance, better than those of current Cherenkov telescopes' arrays for energies above about 5 TeV and up to 100 TeV and beyond, the ASTRI MA will represent an important instrument to perform deep observations of the Galactic and extra-Galactic sky at these energies. After describing, the expected performances briefly, the characteristics and the architecture of the ASTRI Mini-Array, I will report on the status of the site implementation and of the production of the main ASTRI Mini-Array subsystems.

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