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Morphology study of a radio galaxie

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The current generation of Imaging Atmospheric Cherenkov Telescopes has its resolution power limited to few arcminute scale.
Recently, new simulations and analysis techniques, applied to H.E.S.S. observations, made possible the measure of the extension
of very high energy (VHE; E > 100 GeV) gamma-ray sources below one arcminute. The improved understanding of the point spread function (PSF)
of H.E.S.S. allows to investigate the morphology of nearby extragalactic sources such as radio-galaxies.
The results of such sophisticated techniques, applied to the prominent radio galaxy Centaurus A, will be presented at the conference.

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