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Second large scale Monte Carlo study for the Cherenkov Telescope Array

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The Cherenkov Telescope Array (CTA) represents the next generation of ground based instruments for Very High Energy gamma-ray astronomy. It is expected to improve on the sensitivity of current instruments by an order of magnitude and provide energy coverage from 20 GeV to more than 200 TeV. In order to achieve these ambitious goals Monte Carlo (MC) simulations play a crucial role, guiding the design of CTA. An overview of CTA second large-scale MC production will be given and the main conclusions concerning the influence of telescope layouts, altitude, night sky background levels and geomagnetic field will be discussed.

Collaboration

CTA

Registration number following "ICRC2015-I/"

416

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