

AtmoHEAD: Atmospheric Monitoring for High-Energy Astroparticle Detectors



ID de Contribution: 10

Type: Talk

Muon efficiency with the HESS telescope

mardi 11 juin 2013 11:00 (30 minutes)

The H.E.S.S. cameras require a precise and regular calibration over time, to reconstruct the gamma-ray characteristics. The different sub-systems used to determine the gain and the uniformity of the PMTs and their evolution with time are presented. Then, we focus on the absolute energy scale calibration, by using a full reconstruction of isolated muons recorded during normal observation, which is directly connected to atmospheric absorption. The method and the evolution of the absolute overall light collection efficiency are shown.

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Classification de Session: Tuesday morning 2

Classification de thématique: Simulations, modeling, and reconstruction