

Correction method applied to MC simulated LST images affected by clouds

We present the results of a preliminary study of a correction method applied to the Imaging Air Cherenkov Telescope images affected by clouds. The studied data are the Monte Carlo simulations made with CORSIKA, imitating the very high energy events registered by the Large-Sized Telescopes, a type of the telescope within the future Cherenkov Telescope Array. We implement the cloud correction method in the ctapipe/lstchain analysis framework. The correction is based on a simple geometrical model of the emission. We show the effect of the correction method on the image parameters and on the stereo reconstructed shower parameters.

Primary author: ZYWUCKA, Natalia (University of Łódź, Poland)

Presenter: ZYWUCKA, Natalia (University of Łódź, Poland)

Session Classification: Contributed posters