

A NEW MULTI-DETECTOR TELESCOPE CALIBRATION METHOD

C.Martín,E.Bronchalo,J.Medina,E.Campo,D.Meziat,C.Olalla,M.Prieto,MD.R-Mo
Cosmic Ray Group. Dptos Fisica y Automatica. Univ. Alcala. Spain.

A new calibration method, applicable to multi-detector telescopes, is presented. This method is based on the comparison between experimental data and the ones obtained from Monte-Carlo simulation. The method just needs a accurate knowledge of the detector thickness and an approximate knowledge of the experimental spectrum. To test the method, data obtained in GANIL accelerator, using a simple telescope made up of 4 ion implanted silicon detectors, are used. Obtained results are presented and the method accuracy is concluded.