



Contribution ID : 278

Type : **Poster**

Gamma-hadron separation of parent particles of air showers above several 10 TeV energies using Tibet-III air-shower array

Friday, 6 July 2007 14:45 (0:00)

Abstract content

The recent advances in TeV gamma-ray astronomy are largely due to the ability to distinguish between extensive air showers generated by gamma rays and hadronic cosmic rays. In this paper, we report on a method to distinguish electromagnetic air showers from hadronic air showers in Tibet air-shower observation. An extensive Monte Carlo simulation has been carried out and the secondary particles are also propagated through the Tibet-III air shower array to study the detector response. Some preliminary results on the search for gamma-ray sources above several 10 TeV energies are discussed.

If this papers is presented for a collaboration, please specify the collaboration

Tibet ASgamma Collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 583-584

Primary author(s) : Mr. CHEN, Ding (Faculty of Engineering, Yokohama National University)

Presenter(s) : Mr. CHEN, Ding (Faculty of Engineering, Yokohama National University)

Session Classification : Posters 2 + Coffee

Track Classification : OG.2.2