



Contribution ID: 426

Type: **Poster contribution**

The TIBET AS+MD Project; progress report 2015

Thursday 30 July 2015 15:30 (1 hour)

We plan to build a large (approximately 10,000 m²) water Cherenkov-type muon detector array under the existing Tibet air shower array at 4,300 m above sea level, to observe 10-1000 TeV gamma rays from cosmic-ray accelerators in our Galaxy with wide field of view at very low background level. A gamma-ray induced air shower has significantly less muons compared with a cosmic-ray induced one. Therefore, we can effectively discriminate between primary gamma rays and cosmic-ray background events by means of counting number of muons in an air shower event by the muon detector array. We will make a progress report on the project, as some part of it started data-taking in 2014.

Collaboration

– not specified –

Registration number following "ICRC2015-I/"

397

Author: Dr TAKITA, Masato (Institute for Cosmic Ray Research, the University of Tokyo)

Co-author: COLLABORATION, The Tibet ASgamma (The Tibet ASgamma Experiment)

Presenter: Dr TAKITA, Masato (Institute for Cosmic Ray Research, the University of Tokyo)

Session Classification: Poster 1 GA

Track Classification: GA-IN