

Results on the spectrum and composition of cosmic rays from the IceTop air shower array of the IceCube Observatory

Serap Tilav^{1,a}

¹*Univ. of Delaware, USA*

Abstract. We report on measurements of the energy spectrum and mass composition of cosmic rays above 1 PeV with the data taken during the construction phase of the IceTop and IceCube detectors. We discuss our current systematics and observation of a structure in the energy spectrum above 20 PeV where the mass composition gets heavier than iron nuclei.

Slides

The slides of the talk can be found on the website of the symposium ISVHECRI 2012:
<https://indico.desy.de/conferenceOtherViews.py?view=standard&confId=4594>

^atilav@udel.edu