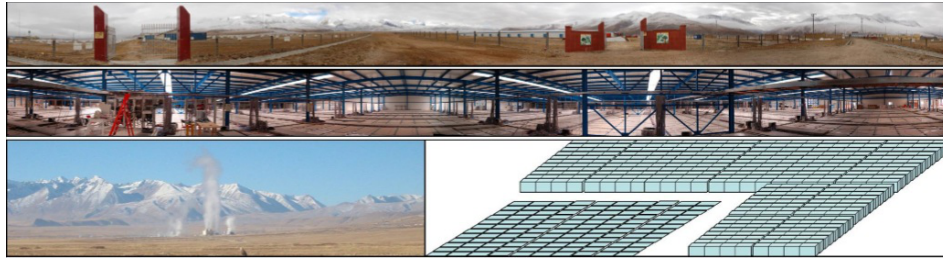


4th Workshop on Air Shower Detection at High Altitude



Contribution ID: 26

Type: **not specified**

Hadronic interaction models in air showers simulations: updates based on recent LHC data

Friday, 1 February 2013 14:30 (30 minutes)

We will give an introductory overview on hadronic interaction models used for simulations of air showers and their predictions. Emphasis will be put on QGSJet and EPOS. The development of hadronic interaction models is promoted by recent data from the LHC, which has a dedicated observation program for forward-physics. Hadronic interactions which produce particles close to the beam line are most relevant for the simulation of air showers. We will show how this data changed the predictions for air shower observables and how it brought them closer together.

Presenter: DEMBINSKI, Hans

Session Classification: Interaction models