

XVI International Symposium on Very High Energy Cosmic Ray Interactions
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Type: **Invited**

Particle production Experiments and their relevance to understanding Extensive Air showers

Monday, 28 June 2010 12:00 (30 minutes)

Calculations of fluxes of atmospheric neutrinos and muons from extensive air showers suffer from our lack of knowledge of hadronic production processes. We are dependent of particle production models which suffer from systematics from both model dependent assumptions as well as the data used to tune them.

We will present recent published data from NA49, and NA61 experiments as well as present analysis from the MIPP experiment relevant to particle production and air showers. Prospects of getting higher quality data using the MIPP upgrade will be discussed.

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Session Classification: Recent relevant accelerator data and results

Track Classification: Accelerator data