



Contribution ID: 83

Type: **not specified**

Results from KASCADE-Grande

Thursday, May 26, 2011 2:30 PM (20 minutes)

The KASCADE-Grande experiment, located at Karlsruhe Institute for Technology (Germany) is a multi-component extensive air-shower experiment devoted to the study of cosmic rays and their interactions at primary energies $10^{14} - 10^{18}$ eV. One of the main goals of the experiment is the measurement of the all particle energy spectrum in the $10^{16} - 10^{18}$ eV range by sampling charged (Nch) and muon (Nmu) components of the air shower. The methods to derive the energy spectrum and its uncertainties, as well as the implications of the obtained result, will be discussed in detail. An overview of the other analyses performed by KASCADE-Grande will also be presented.

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Session Classification: Parallel Session: HECR and results from accelerators