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KASCADE-Grande: Post-operation analyses and latest results

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The KASCADE-Grande experiment has significantly contributed to the current knowledge about the energy spectrum and composition of cosmic rays for energies between the knee and the ankle. Meanwhile, post-LHC versions of the hadronic interaction models are available and used to interpret the entire data set of KASCADE-Grande. In addition, a new, combined analysis of both arrays, KASCADE and Grande, were developed increasing significantly the accuracy of the shower observables. Results of the new analyses of the KASCADE-Grande experiment will be discussed as well as limits on the high-energy gamma ray flux over a large energy range. In addition, further developments of the KASCADE Cosmic Ray Data Centre (KCDC) will be presented.

Auteurs principaux: HAUNGS, Andreas (KIT); KASCADE-GRANDE COLLABORATION

Orateurs: HAUNGS, Andreas (KIT); KASCADE-GRANDE COLLABORATION

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