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Latest results from the KASCADE-Grande experiment

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The KASCADE-Grande experiment operated in KIT from January 2004 to November 2012, measuring EAS generated by primary cosmic rays in the 10^{16} - 10^{18} eV energy range. The experiment detected, for each single event and with a high resolution, the total number of charged particles (Nch) and of muons (Nm).

In this talk I will present the updated results about:

- the measurement of the all particle energy spectrum, discussing the influence of the hadronic interaction model used in the event simulation.
- The energy spectra derived separating the events according to the Nmu/Nch ratio. This technique allowed us to enhance the features of the heavy primary spectrum, measuring a change of slope at $E \sim 8 \times 10^{16}$ eV.
- The elemental spectra (for five mass groups) obtained applying an unfolding analysis.

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