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## Measurements of the cosmic ray spectrum and composition in the $10^{15}$ - $10^{18}$ eV energy range

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### Content

In this talk I will review recent results about the cosmic ray spectrum and chemical composition in the  $10^{15}$ - $10^{18}$  eV energy range. At lower edge of this energy range we are quite confident that cosmic rays are mainly of galactic origin, while at energies greater than those covered in the same energy interval we have strong hints of an extra-galactic origin of the radiation. Indication of the transition between these two radioations are expected from detailed and precise measurements of the primary spectrum, of the spectral shapes of the single mass groups spectra and of the arrival direction anisotropies. I will show and discuss the more relevant results, focussing on the systematic error due to the energy and mass calibration of EAS experiments.

### Session

Cosmic ray and astroparticle physics

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