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Auger energy spectrum & calibration

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The measurement of the energy spectrum above $2.5 \cdot 10^{18}$ eV at the Pierre Auger Observatory is presented. Above 20000 events of zenith angle less than 60° have been recorded by the surface detector and the acceptance of $7000 \text{ km}^2 \text{ sr yr}$, achieved during the construction phase is larger than of previous experiments. The spectral features of the particle flux will be discussed. At high energies the flux is suppressed, the hypothesis of a single power-law behaviour as obtained in the lower energy range being rejected with a significance of more than 6 sigma.

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