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Measurement of the Energy Spectrum of Cosmic Rays above $3 \cdot 10^{17}$ eV at the Pierre Auger Observatory

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We report the measurement of the flux of cosmic rays with unprecedented precision and statistics using data collected at the Pierre Auger Observatory until 31 December 2012. The fluorescence observation of the air-showers provide intrinsically a calorimetric energy measurement. Based on the hybrid nature of the experiment, the energy scale for the surface detector is obtained with minimal use of Monte Carlo simulations. The energy spectrum deduced with the more denser array of 750 m, which provides the extension of the energy range from $1.5 \cdot 10^{18}$ eV down to $3 \cdot 10^{17}$ eV will be emphasised. The spectral features are presented in detail and the systematic uncertainties are addressed. We also present the current enhancements of the Pierre Auger Observatory.

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