

Abstract Submitted
for the 4CF09 Meeting of
The American Physical Society

**Measurement of the Cosmic Ray Energy Spectrum with the
Pierre Auger Observatory** LAWRENCE WIENCKE, Colorado School of Mines

— The Pierre Auger Observatory has measured the cosmic ray energy spectrum
above

$10^{18} eV$ using several techniques. The spectrum can be described by a broken power law of index 3.3 below the ankle which is measured at $\lg(E_{\text{ankle}}/eV)$ 18.6. Above the ankle the spectrum is described by a power law $\propto 1/E$ and a flux suppression with $\lg(E/2/eV)$. This talk will summarize the methods and results.

Abstract APS

Date submitted: 06 Oct 2009

Electronic form version 1.4