

Report of the Telescope Array - Pierre Auger Observatory Working Group on Energy Spectrum

Dmitri Ivanov^{a*}, for the Pierre Auger Collaboration^b and the Telescope Array Collaboration^c

^aUniversity of Utah, Department of Physics & Astronomy and High Energy Astrophysics Institute, Salt Lake City, Utah, USA E-mail: dmiivanov@gmail.com ^bObservatorio Pierre Auger, Av. San Martín Norte 304, 5613 Malargüe, Argentina E-mail: auger_spokespersons@fnal.gov Full author list: http://www.auger.org/archive/authors_icrc_2017.html ^cTelescope Array Project, 201 James Fletcher Bldg, 115 S. 1400 East, Salt Lake City, UT 84112-0830, USA E-mail: ta-icrc@cosmic.utah.edu Full author list: http://www.telescopearray.org/index.php/research/collaborators

The Telescope Array and Pierre Auger Collaborations have formed a working group to examine the similarities and differences in their measurements of the spectrum of ultra-high energy cosmic rays. The method chosen is for each experiment to measure the spectrum in the declination band of -15.7 < delta < +24.8 degrees, where both experiments have sensitivity. A second step chosen is to correct for the weighting in declination over each experiment's range of sensitivity in the common band of declinations. The results will be shown and interpretations given.

35th International Cosmic Ray Conference – ICRC217 10-20 July, 2017 Bexco, Busan, Korea

*Speaker.

[©] Copyright owned by the author(s) under the terms of the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License (CC BY-NC-ND 4.0).

Results will be presented.