

Abstract Submitted
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The Public Event Display of the Pierre Auger Observatory
MIGUEL MOSTAFA, Colorado State University, THE PIERRE AUGER COLLABORATION — The Pierre Auger Observatory is the largest cosmic ray detector ever built in the search for the unknown sources of the highest-energy cosmic rays ever observed. The Auger Collaboration has made 1% of its cosmic ray data available to the general public. The U.S. mirror of this public event display is hosted at Colorado State. Our web site allows browsing over the ultra-high energy cosmic rays collected by the Auger Observatory since 2004, and it is updated daily. Users can display plots online, obtain detailed information on individual cosmic rays, and download an ASCII file with the complete data set. The Auger Observatory has also been recording the count rates of low energy secondary cosmic ray particles for the self-calibration of its particle detectors on the ground. After correcting for atmospheric effects, modulations of galactic cosmic rays due to solar activity and transient events are observed. The Auger data rates are also available to the general public through our website at Colorado State. In this talk, I will describe the available data together with the opportunities to utilize ultra-high energy cosmic rays as an educational tool.

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