P5 Town Hall at Fermilab and Argonne



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The need to support the Pierre Auger Observatory and the Telescope Array Project into the 2030s

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To maximize the scientific value extracted from current investments, both the Pierre Auger Observatory and the Telescope Array Project must be supported into the 2030s. This need has become clear during the writing of a white paper on Ultra-High-Energy Cosmic Ray (UHECR) for the Snowmass process \[Astropart. Phys. 149 (2023) 102819\]. The reasons for this term of support are manyfold, but two crucial aspects will be highlighted in this short presentation. First, this duration would provide a decade of data accumulation with instruments now completing extensive upgrades. These upgrades have been designed to target critical questions in particle physics and astrophysics, but require this level of exposure to make good on their potential. Second, the next generation of UHECR experiments must be cross-calibrated with existing observatories to ensure consistency in their measurements, and they are not expected to begin taking data until 2030.

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Pierre Auger Observatory and the Telescope Array Project

Primary author:MAYOTTE, Eric (Colorado School of Mines)Presenter:MAYOTTE, Eric (Colorado School of Mines)Session Classification:Open Session for remarks