

# ”Extreme energy cosmic rays: where do they all come from?”

*Thursday 24 April 2025 14:30 (22 minutes)*

Abstract: I discuss paradoxical situation in detection of the highest energy cosmic rays by Telescope Array and Pierre Auger experiments, in particular, a strong discrepancy between their results for cosmic ray fluxes at energies above the GZK cutoff, most notably at  $E > 100$  EeV. I also discuss ideas of new BSM physics and dark matter identity which could naturally resolve these paradoxes.

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