

AugerPrime and Radio Trigger

Friday, 28 June 2024 12:15 (15 minutes)

The AugerPrime upgrade at the Pierre Auger Observatory marks a pivotal development in ultra-high-energy cosmic ray (UHECR) research. This enhancement equips the observatory with advanced detection capabilities, aimed at providing deeper insights into the properties and origins of cosmic rays with energies above 1 EeV. The presentation will cover the potential implementation of a self-Radio Trigger system, which is proposed but not yet realized. The importance of such a system lies in its ability to autonomously detect radio signals from cosmic ray air showers, significantly boosting detection efficiency, especially for neutral high-energy cosmic rays.

Presenter: ISMAIEL, Mohamed (Radboud University)

Session Classification: Contributed talks