Contribution ID: **129** Type: **Parallel Contributed Talk**

The GRAND observatory: Status and Future plans

Tuesday, February 23, 2021 5:30 PM (20 minutes)

The Giant Radio Array for Neutrino Detection (GRAND) is a proposed distributed observatory with a total area of 200,000 km2. This observatory will not only be sensitive to Ultra-High-Energy (UHE) neutrinos, but also to UHE photons and UHE cosmic rays; making it a multi-messenger observatory at the highest energies. In this contribution, the current status of the GRAND project will be discussed, with an emphasis on the design of the antenna, our main detection element. In addition, the layout of the first site of 300 antennas (GRANDProto300), as well as the staged road towards the creation of the full detector and its physics potential will be discussed.

Collaboration name

GRAND

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Session Classification: New Facilities

Track Classification: Neutrino Telescopes and Multimessenger