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The Status and Perspectives of GRAND

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The Giant Radio Array for Neutrino Detection (GRAND) is a large-scale project designed to detect ultra-high-energy (UHE) neutrinos at EeV energies using arrays of self-triggered radio antennas. By capturing radio emissions of air showers initiated by tau decays from neutrinos, GRAND aims to achieve unprecedented sensitivity and sub-degree angular resolution to those UHE neutrinos, marking a significant step towards the multi-messenger astronomy. Since October 2024, approximately 50 antennas for the GRANDProto300 have been operational in the Gobi Desert in Gansu Province, validating the instrumentation and design. This talk will present the scientific goals of GRAND, and outline the current status and future plans for this pioneering experiment.

Collaboration you are representing

GRAND

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