



Contribution ID: 85

Type: **Parallel Talk**

## Status of the Radar Echo Telescope

*Thursday, August 11, 2022 3:50 PM (20 minutes)*

We present the current status of the Radar Echo Telescope, an instrument to detect neutrinos of the highest energies. First, we present the status of the Radar Echo Telescope for Cosmic Rays (RET-CR), a prototype instrument that seeks to test the radar echo method in nature, using the in-ice cascade produced by the core of a cosmic-ray air shower as it impacts the ice. We present the current hardware, firmware, and software development toward an upcoming deployment. Next, we present the development status of the Radar Echo Telescope for Neutrinos (RET-N), an eventual full-scale neutrino detector. We present updated sensitivity studies for RET-N.

### **Collaboration name**

Radar Echo Telescope

**Author:** Dr PROHIRA, steven (The Ohio State University)

**Presenter:** Dr PROHIRA, steven (The Ohio State University)

**Session Classification:** Neutrinos

**Track Classification:** Neutrinos