

The Radio Neutrino Observatory - Greenland (RNO-G) Experiment

Wednesday, June 8, 2022 1:30 PM (15 minutes)

The Radio Neutrino Observatory - Greenland (RNO-G) seeks to detect the Askaryan radio emission from energetic neutrinos (> 10 PeV) interacting in the Greenland ice sheet. Initial deployment began last summer, and, at completion, RNO-G will be the largest and most sensitive in-ice Askaryan radio neutrino detector so far, providing access to new parameter space in astrophysical and cosmogenic neutrino fluxes.

This talk will discuss the science motivation, design and current status of RNO-G, as well as describe the initial performance of the first stations.

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