

Radon-222 Screening Capability at SNOLAB

Monday 25 August 2025 18:00 (20 minutes)

Radon-222 is a limiting background in many leading dark matter and low-energy neutrino experiments. At SNOLAB, we have various radon instruments dedicated to material screening and to the measurement of radon concentration in N₂ gas systems and in ultra-pure water. My talk will focus on describing these instruments. In addition, it will describe a recent development aimed at improving our N₂ gas assay capability.

Collaboration you are representing

Author: FATEMIGHOMI, Nasim (SNOLAB)

Presenter: FATEMIGHOMI, Nasim (SNOLAB)

Session Classification: Underground Laboratories

Track Classification: Underground Laboratories