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SNOLAB Material Assay Capabilities

Experiments searching for rare events such as neutrinoless double beta decay and dark matter interactions need to have extremely low radioactive backgrounds. The design of the next generation of experiments will be thus driven by the intrinsic radioactivity of the materials used in the detectors, support systems, and shielding.

The SNOLAB material assay program allows the direct measurement of this intrinsic radioactivity using a number of dedicated detectors. This poster will present the capabilities of these detectors for various types of radiation.

Mini-abstract

The SNOLAB material assay system measures intrinsic radioactivity of samples for design purposes.

Experiment/Collaboration

SNOLAB

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