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Low Background Measurement Capabilities At SNOLAB

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Experiments currently searching for dark matter, studying properties of neutrinos or searching for neutrinoless double-beta decay require very low levels of radioactive backgrounds both in their own construction materials and in the surrounding environment. These low background levels are required so that the current and next generation experiments can achieve the required sensitivities for their searches. This presentation will describe the low background measurement facilities currently operating at SNOLAB and will discuss plans and options to expand these facilities to allow for the increased sensitivity required by the next generation of experiments.

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Session Classification: R1-5 Low Background Detectors (DIMP/PPD/DNP) | Détecteurs à faibles interférences (DPIM/PPD/DPN)

Track Classification: Particle Physics / Physique des particules (PPD)