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Radioactive Background Characterization of the Cryogenic Underground TEst Facility (CUTE)

Thursday, 9 June 2022 09:00 (15 minutes)

The Cryogenic Underground TEst Facility (CUTE) is fully operational in the low-radioactivity environment of the SNOLAB Underground Laboratory. Estimation of the background from radioactive processes via Geant4 simulation is crucial in informing the background budget for the facility. The radioactive background characterization of the CUTE facility will be presented along with the background model validation through comparison with recently acquired data.

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Session Classification: R1-1 Precision and Dark Matter Experiments (PPD) | Expériences de précision et sur la matière sombre (PPD)

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