

Rare nuclear decays for standard and exotic physics

We discuss some small-scale searches for rare events that may benefit from the low-radioactivity environment of SNOLAB. The mechanisms include standard nuclear decays which will inform nuclear models and matrix elements, and which are of interest to other fields such as neutrinoless double beta decay. A related example is revisiting the decays of uranium of importance in geochronology. Exotic processes can also be involved, like nuclear axion decays.

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