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## Improving SNOLAB's Radon gas assay capability

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Radon is the limiting background in many leading dark matter and low energy neutrino experiments. One way to mitigate radon background is to fill external experimental components with a clean cover gas such as N<sub>2</sub>. At SNOLAB, the radon concentration in the experiments cover gas system is monitored using a radon assay board. To improve the sensitivity of gas assays a new trapping mechanism is developed. This talk will present the current status of this mechanism and the sensitivity of the radon board after its installation.

### Keyword-1

Underground physics

### Keyword-2

SNOLAB

### Keyword-3

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