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Radon monitoring and reduction for the DRIFT directional dark matter experiments

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Radon gas is a source of background in the Directional Recoil Information From Tracks (DRIFT) experiment and as such, a major radon reduction effort has taken place over the past several years. Two complimentary techniques for measuring the radon emanation rate in DRIFT will be presented, followed by an overview of the materials screening and replacement effort for the current detector, DRIFT-IIc, and its successor DRIFT-IIe.

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