

## Radon Daughter Plateout

*Thursday, 25 May 2017 14:30 (20 minutes)*

Rare event searches work very hard to identify and procure radiopure materials for detector components. These components may be contaminated after manufacture with long-lived  $^{210}\text{Pb}$ , produced by the decay of atmospheric radon. We will show how the rate of radon daughter plateout can vary by orders of magnitude due to various environmental factors including material type, surface orientation, and ventilation.

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