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## Characterization of backgrounds in lucas cells

*Tuesday, 14 June 2016 09:30 (15 minutes)*

For the current generation of experiment on particle astrophysics low backgrounds are very important, which comes with the need for very sensitive measurement tools. A new generation of lucas cells has been produced and this presentation describes the characterization and first steps to simulating the cells performed in the summer 2015. This presentation won first prize at the SNOLAB undergraduate student talk competition.

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**Session Classification:** T1-5 Neutrinoless Double Beta Decay II (PPD-DNP-DTP) / Double désintégration beta sans neutrino II (PPD-DPN-DPT)

**Track Classification:** Particle Physics / Physique des particules (PPD)