

The Radiopurity.org Material Database

Wednesday, 24 May 2017 16:30 (0:20)

Content

Rare-event searches — such as dark matter and neutrinoless double-beta decay experiments — at deep underground laboratories have stringent radiopurity requirements for their construction materials. Researchers have to determine the radiopurity specifications for all physical elements of the experiment, then source, assay, and acquire these components. Over the last several decades, researchers in the low-background physics community have accumulated thousands of radioassay results for these materials. An community-wide effort to provide a flexible platform for storing and disseminating these results have been realized at <http://www.radiopurity.org>. In this talk, I will describe the current status of this platform.

Summary

Primary author(s) : POON, Alan (Berkeley Lab)

Co-author(s) : LOACH, James (SJTU); COOLEY, Jodi (SMU)

Presenter(s) : POON, Alan (Berkeley Lab)

Session Classification : Session 3