

Low Radioactivity Techniques (LRT2024)



Contribution ID: 77

Type: **Talk**

Rare event searches with Xenon detectors

Wednesday, 2 October 2024 08:30 (25 minutes)

It has been demonstrated that xenon—as a gas, liquid, and solid, and dissolved in liquid scintillator—has the potential to constitute very low radioactive background particle detectors. I will review the past success of such detectors in the the search for rare events, ongoing searches, and where these technologies may take us in the future.

Primary author: MACLELLAN, Ryan (University of Kentucky)

Presenter: MACLELLAN, Ryan (University of Kentucky)

Session Classification: Noble Element Based Detectors