

LISA conference



Contribution ID: 5

Type: **not specified**

Production of actinide atomic and molecular ion beams at CERN-ISOLDE

Monday 2 September 2024 10:35 (30 minutes)

Atomic and molecular actinide ion beams have been produced at the CERN-ISOLDE facility using the Isotope Separation On-Line (ISOL) technique. The ion beam composition was studied using: the ISOLTRAP Multi-Reflection Time-of-Flight Mass Spectrometer (MR-ToF MS) for identification by ToF mass measurements, on-line γ -ray spectroscopy at the ISOLDE tape station, and off-line decay spectroscopy of ion-implanted samples.

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Session Classification: Session 2 WP2