WP5: EXPLORING THE LIMITS OF

KU LEUVEN

NUCLEAR EXISTENCE





LISA General Training 1

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Objectives of WP5

- Optimize actinide sample preparation and characterization techniques for the LISA network
- Perform laser spectroscopy using highly sensitive techniques on isotopes of both actinide and trans actinide elements with the goal of probing fundamental atomic and nuclear properties and to benchmark state of the art atomic and nuclear theoretical calculations
- Characterize and optimize the novel in gas jet spectroscopy technique for final implementation at GANIL S3.





