# WP5: EXPLORING THE LIMITS OF

#### **KU LEUVEN**

## NUCLEAR EXISTENCE



### LISA General Training 1

JG U

JOHANNES GUTENBERG
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#### **Objectives of WP5**

- Optimize actinide target preparation and characterization techniques for the LISA network
- Characterize and optimize the novel in gas-jet spectroscopy technique for final implementation at GANIL S3
- Perform laser spectroscopy using highly sensitive techniques on both actinide and transactinide isotopes to probe atomic and nuclear properties and to benchmark state of the art atomic and nuclear theoretical calculations





