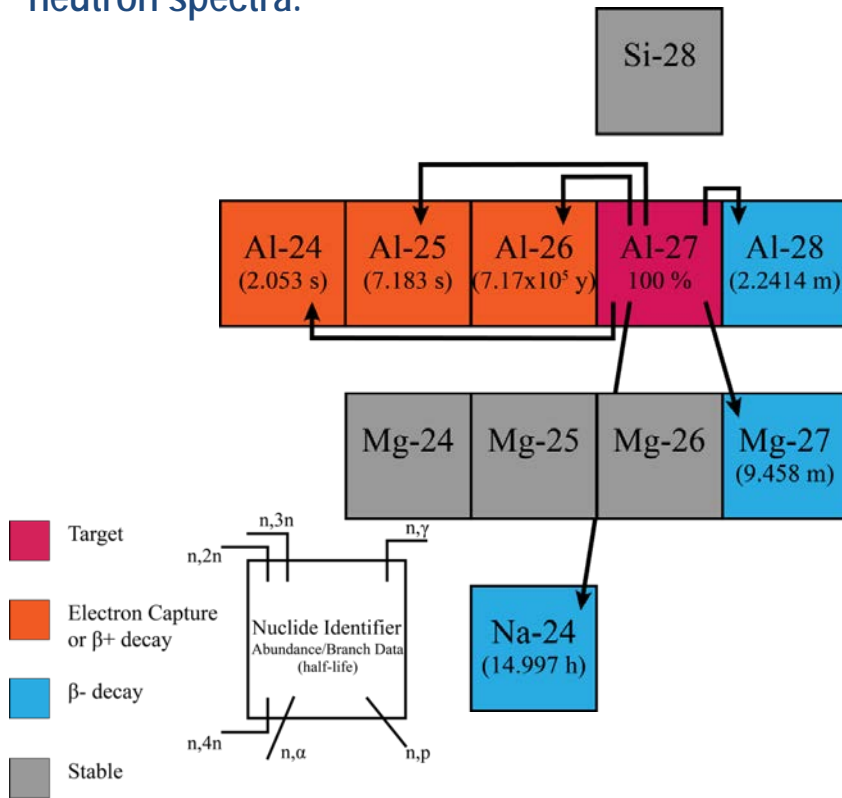


Activation Product Analysis for Nuclear Forensics

Research Overview

Aligning modeling work and experimental work for the irradiation of metal foils in various neutron spectra.



Potential Collaborations

- Irradiation at UC Davis cyclotron
 - Energy dependent neutron beam calculations
 - γ spectrometry of the activation foils
- Foil Irradiation at Flattop
 - γ spectrometry simulations
 - γ spectrometry of the activation foils
- Decay scheme measurements
- Cross-section measurements

Past Graduate Students

- Modeling γ spectra from activation product irradiations
 - J. Goodell (University of Maryland)
- Neutron Production Simulations from Deuterons Incident on a Be Target for the creation of Activation Species
 - O. Akindele (UC Berkeley)
 - C. Keith (Texas A & M)

Contact: Bryan Bandong, bandong1@llnl.gov