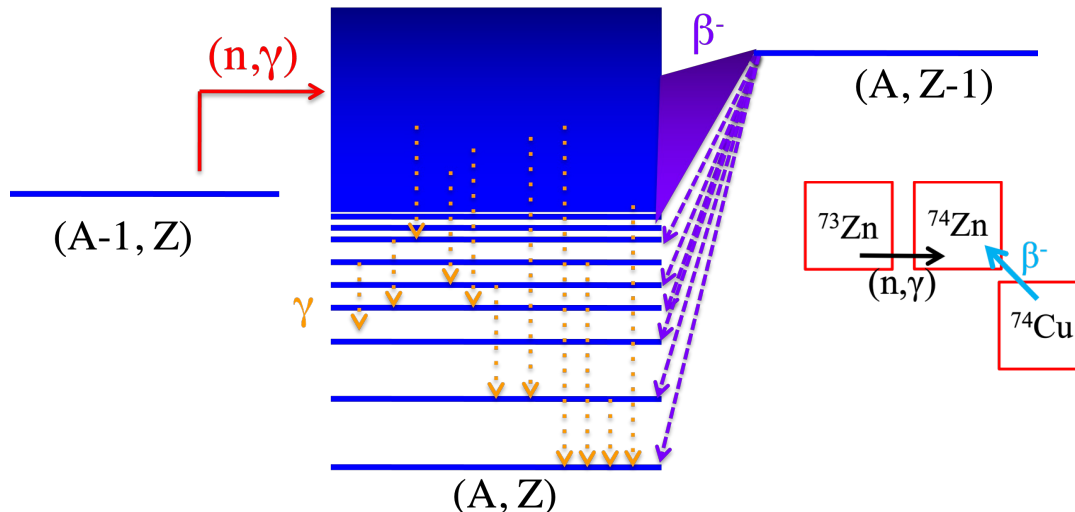


The β -Oslo method

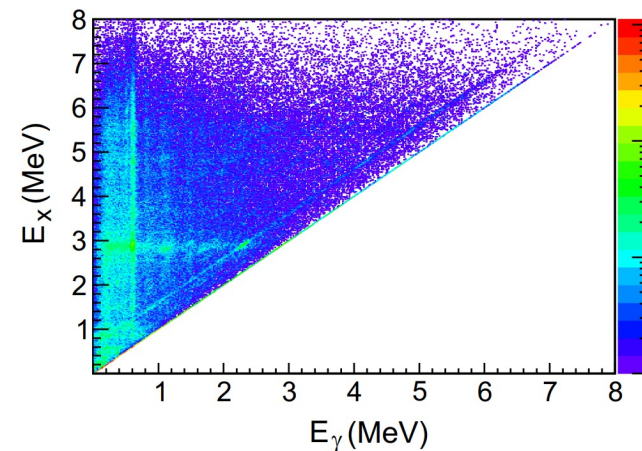
Overview of Method:

- Populate the compound nucleus via β -decay
 - Extract NLD, γ SF, (n,γ) rates
- Study nuclei far from stability
- Feasible with low beam intensities



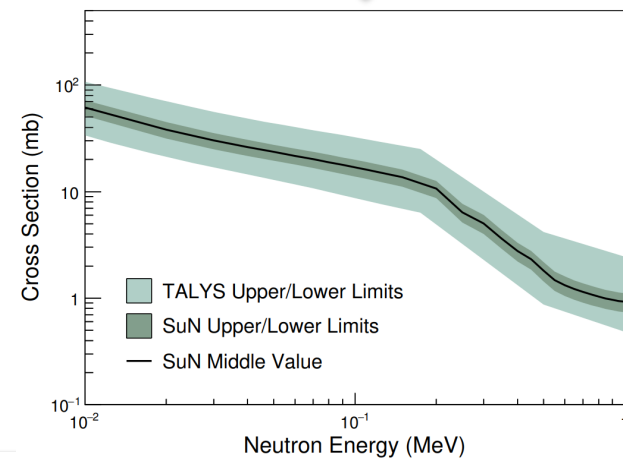
What do we need?

- ✓ Radioactive Beam
- ✓ Segmented γ -ray calorimeter (SuN, FDS, ...)
- ✓ Normalization techniques*

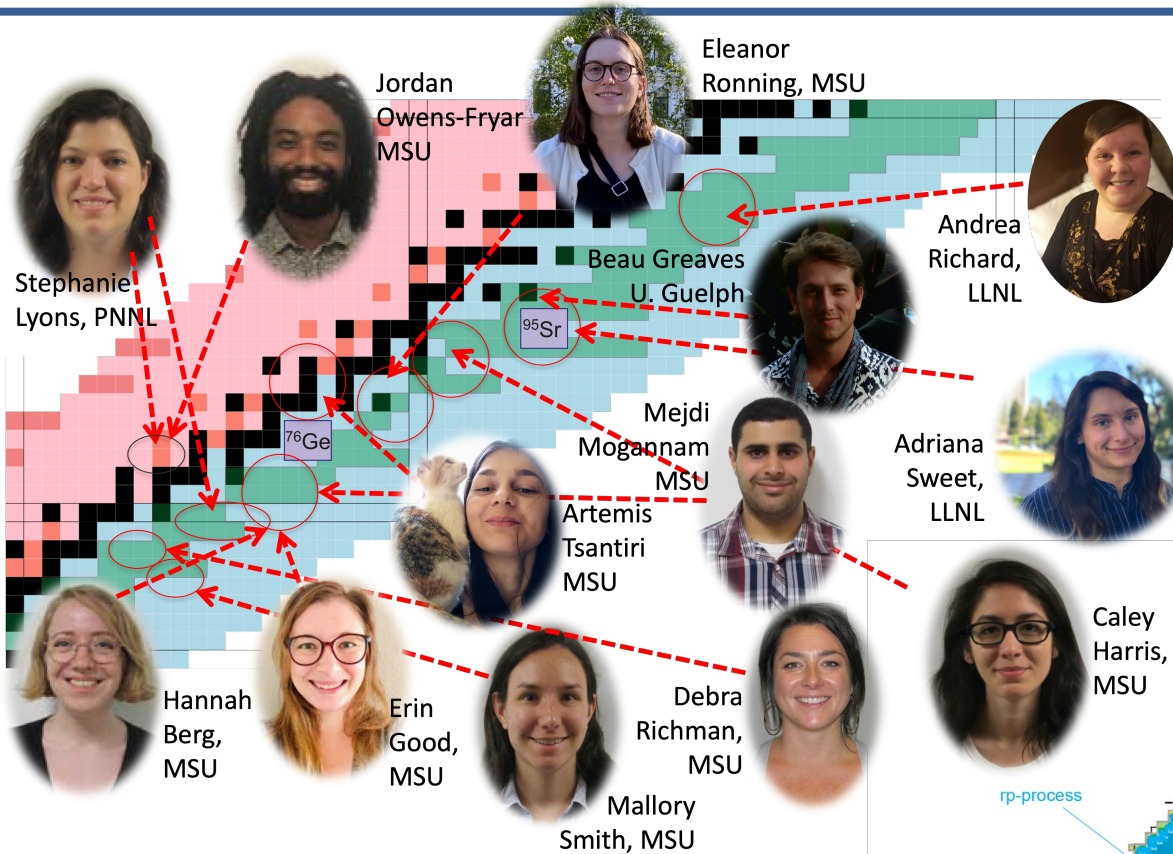


Extract Nuclear Level Density and γ -ray Strength Function

Apply Normalizations



β -Oslo Measurements: Current and Future



Statistical Properties for Nuclear Data

- Nuclear Level Density
- γ -Strength Function
- Scissors Mode Resonance
- Pygmy Dipole Resonance
- (n,γ) reaction rates

Exciting future for β -Oslo studies at FRIB, nuCARIBU, N= 126 Factory, and beyond!

