

Nuclear and astrophysics aspects for the rapid neutron capture process in the era of multimessenger observations



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R-process experiments with fast ion beams at the NSCL and FRIB

Friday, 5 July 2019 11:00 (25 minutes)

Fragmentation beam facilities provide an efficient way to produce neutron-rich isotopes, and study the evolution of nuclear structure away from beta-stability. I will present recent work on time-of-flight mass measurement experiments at the National Superconducting Cyclotron Laboratory, aimed at extending the reach of this sensitive mass measurement technique to isotopes relevant to r-process nucleosynthesis models. I will also discuss the perspectives for r-process experiments at the future Facility for Rare Isotope Beams (FRIB).

Presenter: ESTRADA, Alfredo

Session Classification: Session