

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



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Fission barriers of exotic nuclei

Fission barriers of exotic nuclei and the role of fission in the r-process are intimately connected with the density dependence of the symmetry energy at the sub-saturation densities attained in the neck region at the maximum of the fission barrier. In our talk we will discuss the future experiment to measure the fission cross sections using radioactive beams with the Active Target Time Projection Chamber detector at NSCL.

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