



Beitrag ID: 70

Typ: **Presentation**

Study of Neutron-Unbound States with MoNA-LISA

Donnerstag, 3. Juli 2014 11:00 (25 Minuten)

The Modular Neutron Array (MoNA) in conjunction with the large-gap Sweeper magnet at the NSCL is an effective setup to explore neutron-unbound states. The recent addition of the Large-area multi-Institutional Scintillator Array (LISA) increased the efficiency and acceptance for the neutron detection.

Neutron-unbound nuclei beyond the dripline as well as neutron unbound excited states of bound nuclei have been populated using primarily proton removal reactions. The (d,p) reaction in inverse kinematics with a secondary ^{14}Be beam on a CD_2 target was used for the first time to measure ^{15}Be . Results of other recent experiment including ^{10}He , $^{10,12,13}\text{Li}$, $^{12,13}\text{Be}$, and $^{19,21}\text{C}$ will be presented.

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Sitzung Einordnung: Session 8

Track Klassifizierung: Prefer Presentation