

surrogate reaction of $^{130}\text{Sn}(n,g)$ at OEDO

$^{130}\text{Sn}(d,p)$ reaction in the inverse kinematics was measured at OEDO/SHARAQ beam line to deduce the neutron capture reaction rate of ^{130}Sn . The energy degraded ^{130}Sn , ^{130}Te , and ^{124}Sn beams were directed onto a thin CD_2 target. The reaction residues were identified by the SHARAQ in coincidence with the recoiled protons detected by TiNA2 array.

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