

## Angular distribution of the transfer reaction of $^{79}\text{Se}(d,p)$ in inverse kinematics

To evaluate the neutron capture reaction on  $^{79}\text{Se}$ , we have studied the  $(d,p)$  reaction on  $^{79}\text{Se}$  in inverse kinematics at OEDO. To evaluate the spin-dependent gamma emission probabilities at the unbound states, the reaction mechanism of the transfer reaction is needed to be cleared. We studied the double differential cross section of the transfer reaction, which are in good agreement with the theoretical model of the pre-equilibrium reaction. The neutron capture reaction on  $^{79}\text{Se}$  is also given with the updated the gamma emission probability.

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