

Transfer products accompanying complete fusion

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The product yields of multinucleon transfer reaction is analyzed in low-energy collisions of $^{48}\text{Ca}+^{nat}\text{Cm}$ at $E_{\text{lab}}=5.63$ MeV/nucleon. The transfer products accompany the complete fusion. While the collisions with low angular momenta contribute to the production of very neutron-deficient isotopes, the collisions with high (near and above critical angular momentum) angular momenta result in the production of heavier isotopes. The model describes rather well the yields of isotopes with $N>126$. The possible reasons of discrepancy for the lighter isotopes are suggested.

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