

## <sup>259</sup>No

In the 1973 paper “The new nuclide nobelium-259” Silva et al. described the discovery of <sup>259</sup>No ([1973Si40](#)). A <sup>248</sup>Cm target was bombarded with 88–106 MeV <sup>18</sup>O beams from the Oak Ridge isochronous cyclotron forming <sup>259</sup>No in the ( $\alpha$ 3n) fusion-evaporation reaction. A helium gas-jet system was used to implant the recoil products onto a platinum catcher foil which was pneumatically transferred in front of an  $\alpha$ -particle detection system. “We believe the  $\alpha$ -particle groups at 7.685, 7.605, 7.533, 7.500 and  $7.455\pm 0.010$  MeV to be associated with <sup>259</sup>No decay.”

Adapted from reference ([2013Th02](#))

[1973Si40](#) R. J. Silva, P. F. Dittner, M. L. Mallory, O. L. Keller *et al.*, Nucl. Phys. A **216**, 97 (1973).

[2013Th02](#) M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

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