

^{243}Es

In 1973, Eskola et al. reported the discovery of ^{243}Es in “Two new isotopes of einsteinium, ^{243}Es and ^{244}Es ” (1973Es02). A ^{233}U target was bombarded with ^{15}N ions from the Berkeley HILAC and the isotopes were produced in the fusion evaporation reactions $^{233}\text{U}(^{15}\text{N},5n)^{243}\text{Es}$ and $^{233}\text{U}(^{15}\text{N},4n)^{244}\text{Es}$. The isotopes were identified from the excitation functions, and α -spectra were measured. “The α -particle group at 7.89 MeV has been assigned to ^{243}Es and that at 7.57 MeV to ^{244}Es .”

Adapted from reference (2011Me01)

1973Es02 P. Eskola, K. Eskola, M. Nurmia, and A. Ghiorso, Phys. Fenn. **8**, 357 (1973).

2011Me01 D. Meierfrankenfeld, A. Bury, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 134 (2011).

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