

## <sup>252</sup>Fm

Friedman et al. identified <sup>252</sup>Fm in 1956 in “Properties of Fm<sup>252</sup>” (1956Fr07). A californium target was bombarded with 34 and 42 MeV  $\alpha$  particles from the Argonne 60-in. cyclotron. Subsequent  $\alpha$  decay was measured following chemical separation. “The 7.04-Mev alpha activity was observed to decay with a half-life of  $22.7 \pm 0.7$  hours... The observed increase in the yield of the 7.04-Mev alpha emitter relative to Fm<sup>254</sup> with increased cyclotron energy further agrees with the assignment of the 7.04-Mev alpha energy to Fm<sup>252</sup>.”

Adapted from reference (2013Th02)

1956Fr07 A. M. Friedman, J. E. Gindler, R. F. Barnes, R. Sjoblom, and P. R. Fields, Phys. Rev. **102**, 585 (1956).

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

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