

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Y. A. Akovali	NDS 87,301 (1999)	1-Oct-1998

$Q(\beta^-) = -8.7 \times 10^2$ syst; $S(n) = 5.65 \times 10^3$ syst; $S(p) = 3.12 \times 10^3$ syst; $Q(\alpha) = 8.40 \times 10^3$ syst [2012Wa38](#)
Note: Current evaluation has used the following Q record -802 syst 5666 syst 3052 syst 8306 syst [1995Au04](#).
Assignment: ²⁴⁹Bk(95-MeV ¹⁸O), ²⁴⁸Cm(78-MeV ¹⁵N), parent of ²⁵⁶Fm (ϵ daughter of ²⁵⁶Md) ([1971Es01](#)).
For calculation of fission barrier as a function of deformation, see [1985Cw01](#).
For calculations of production cross sections, see [1987Ma45](#), [1987Ma50](#).

²⁶⁰Lr Levels

E(level)	T _{1/2}	Comments
0.0	180 s 30	$\% \alpha = 80$ 20; $\% \epsilon < 40$ T _{1/2} : measured by 1971Es01 . $\% \epsilon < 40$ was estimated by 1971Es01 by comparing the number of ²⁶⁰ Lr α 's observed with the number of ²⁶⁰ No SF decay events; 40% was obtained when ²⁶⁰ No is assumed to decay by spontaneous fission only. Since ²⁵⁶ Fm was also produced in the reaction, the estimate for ϵ decay is very crude (1971Es01). 1997Mo25 calculated T _{1/2} (ϵ) > 100 s. No β half-life calculations for Z > 100 nuclei are given in 1973Ta30 .