

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Agda Artna-cohen	NDS 88,155 (1999)	31-Jul-1999

$Q(\beta^-) = -1.76 \times 10^3$ syst; $S(n) = 6.79 \times 10^3$ syst; $S(p) = 3.3 \times 10^3$ syst; $Q(\alpha) = 8.14 \times 10^3$ syst [2012Wa38](#)
Note: Current evaluation has used the following Q record -1690 syst 6800 syst 3300 syst 8200 syst [1995Au04](#).
Estimated $\Delta Q(\beta^-) = 230$, $\Delta S(n) = 230$, $\Delta S(p) = 300$, $\Delta Q(\alpha) = 200$ ([1995Au04](#)).

Calculations, compilations:
g.s. properties: [1997Mo25](#), [1995Mo29](#).
Single-particle Nilsson levels: [1994Cw02](#).

[1994Cw02](#) calculate the following single-particle level sequence: g.s. 1/2[521], 0.07 MeV 7/2[514], 0.15 MeV 9/2[624], 0.62 MeV 7/2[633], 0.62 MeV 5/2[512].

Assignment: ²⁵⁴Es+²²Ne, ms, ion chem; observed SF ([1989HuZU](#)). ²⁴⁸Cm(¹⁸O,5n)²⁶¹Rf(ϵ); Lr ion chem. Observed SF ([1991HeZT](#)).

²⁶¹Lr Levels

E(level)	T _{1/2}	Comments
0.0	39 min 12	%SF=? T _{1/2} : from 1989HuZU ; other: 44 min +17-11 (1991HeZT). %SF: SF observed. However, not clear whether SF is from ²⁶¹ Lr, or from ϵ daughter ²⁶¹ No (1989HuZU , 1991HeZT). Calculated T _{1/2} (α) $\approx 3 \times 10^3$ min (1997Mo25). Calculated T _{1/2} (SF) ≈ 5 h (1989Mo03).