

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS	108,681 (2007)	1-Jun-2006

$Q(\beta^-) = -6.62 \times 10^3$ syst; $S(n) = 8.64 \times 10^3$ 8; $S(p) = 3.83 \times 10^3$ syst; $Q(\alpha) = 7365$ 11 2012Wa38
Note: Current evaluation has used the following Q record -2250 SY8640 703740 SY7365 10 2003Au03.
 $Q(\beta^-)$: Theory (1997Mo25).
Additional information 1.
Activity produced by ¹⁹⁸Pt(⁴⁰Ar,4n) E=184-208 MeV. 95.7% isotopically enriched target. ²³⁴Cm was identified by $\alpha - \alpha$ correlations with daughter nuclides of the α -decay chain. Measured $E\alpha = 7239$ keV 10 (2002CaZZ).

²³⁴Cm Levels

E(level)	J ^{π}	T _{1/2}	Comments
0.0	0 ⁺	51 s 12	$\% \alpha \approx 40$; $\% SF \approx 40$; $\% \epsilon + \% \beta^+ \approx 20$ T _{1/2} : From 2002CaZZ. $\% \alpha$, $\% SF$, and $\% \epsilon + \% \beta^+$ deduced by the evaluators from T _{1/2} =51 s 12 and $\% \alpha / \% SF = 0.94$ 9 (2002CaZZ), and T _{1/2} ($\epsilon + \beta^+$)=240 s (theory, 1973Ta30).