

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 113,2113 (2012)	1-May-2012

$Q(\beta^-) = -6.00 \times 10^3$ *synt*; $S(n) = 8.53 \times 10^3$ 6; $S(p) = 4.13 \times 10^3$ 9; $Q(\alpha) = 7180$ 8 [2012Wa38](#)

Note: Current evaluation has used the following Q record -1580 SY8531 534135 887180 8 [2011AuZZ](#).

$Q(\beta^-)$: From [1997Mo25](#).

[Additional information 1](#).

Assignment: produced in $^{208}\text{Pb}(^{26}\text{Mg},x)$ $E = 135$ MeV; parents of ^{222}Th (2.6-ms, 7980 α) and ^{226}U (7570 α) ([1990An22](#)).

Identification by genetic relationships of subsequent α decays. Measured $E(\alpha) = 7050$ 15.

[2002CaZZ](#): $^{198}\text{Pt}(^{40}\text{Ar},4n)^{234}\text{Cm}$, α decay. Measured α , $\alpha\alpha$.

[2008Ro04](#), [2008Sa40](#), [2007Pe30](#), [2000Po25](#): Alpha decay. Calculated half-life, $Q(\alpha)$.

[1999Gr28](#): Measured α but estimated partial $T_{1/2}(\alpha, \epsilon)$.

[1997Po18](#), [1987Po06](#): Calculated $T_{1/2}$, α decay systematics.

[1993Po14](#), [1991Po21](#): Deduced $E(\alpha)$, $T_{1/2}$.

[2011Sh13](#): Cluster decay: ^{12}C .

[2008Ad14](#): Fusion reactions. Calculated σ .

 ^{230}Pu Levels

E(level)	$T_{1/2}$	Comments
0.0	102 s 10	$\% \alpha \leq 100$ $T_{1/2}$: From 2002CaZZ , measured $\alpha(t)$. Only α decay has been observed.