

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	A. K. Jain (a), R. Raut (b), J. K. Tuli		NDS 110,1409 (2009)	1-Dec-2008

$Q(\beta^-) = -4.21 \times 10^3$ 8; $S(n) = 6.41 \times 10^3$ 3; $S(p) = 3774$ 14; $Q(\alpha) = 8015$ 8 [2012Wa38](#)

Note: Current evaluation has used the following Q record -4210 706408 283782 198014 7 [2003Au03](#).

Assignment: $^{208}\text{Pb}(^{22}\text{Ne}, 5n)$, exit: $E(^{22}\text{Ne}) = 100\text{--}120$ MeV ([1988AnZS](#)); $^{180}\text{Hf}(^{48}\text{Ca}, 3n)$, $E(^{48}\text{Ca}) = 204$ MeV, daughter of ^{221}Th ([1989He13](#)).

[2003Ni10](#): $^{198}\text{Pt}(^{34}\text{S}, a3n)$, Measured α .

[2001Ku07](#), [2000He17](#): $^{208}\text{Pb}(^{22}\text{Ne}, 5n)$, Measured α , $T_{1/2}$.

[1992To02](#): $^{209}\text{Bi}(^{19}\text{F}, 3n)$, $E = 102, 106$ MeV; measured α , $T_{1/2}$.

 ^{225}U Levels

E(level)	$T_{1/2}$	Comments
0.0	69 ms 15	$\% \alpha = 100$ Only α decay was observed. From gross β decay theory of 1973Ta30 , $\% \epsilon < 0.005$. $T_{1/2}$: From method of best representation based on 95 ms 15 (1992To02), 135 ms +93-39 (2003Ni10), 84 ms 4 (2001Ku07), 59 ms +5-2 (2000He17), 60 ms 10 (1997AnZY). Weighted mean of these values, also from lwm: 71 ms 7. Others (mostly superseded): 1994An02 , 1994AnZY , 1994Ye08 , 1993AnZS , 1993ToZW , 1992ToZV , 1991An10 , 1990YeZY , 1989An13 , 1989HeZK , 1989HeZZ , 1989He13 , 1988AnZS .