

^{225}U α decay [2001Ku07](#),[2000He17](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ashok Jain, Sukhjeet Singh, Suresh Kumar, Jagdish Tuli		NDS 108, 883 (2007)	15-Jan-2007

Parent: ^{225}U : E=0.0; $T_{1/2}$ =69 ms 15; $Q(\alpha)$ =8014 7; % α decay=100.0

^{225}U - $T_{1/2}$: Adopted value in ^{225}U .

^{225}U - $Q(\alpha)$: From [2011AuZZ](#).

 ^{221}Th Levels

E, J^π from Adopted Levels.

E(level)	J^π
0	(7/2 ⁺)
47 20	(9/2 ⁺)
250.9 3	(11/2 ⁺)

 α radiations

$E\alpha$, $I\alpha$ values from [2001Ku07](#). Decay scheme from [2000He17](#).

$E\alpha$	E(level)	$I\alpha^\ddagger$	HF [†]	Comments
7630 20	250.9	2 1		2000He17 : 7621 15, $I\alpha$ =5 2.
7820 20	47	15 7		2000He17 : 7833 15, $I\alpha$ =37 5.
7867 6	0	83 7	3.0 4	2000He17 : 7868 15, $I\alpha$ =58 4. Others: $E\alpha$ =7870 20 (1989An13), 7880 20 (1989He13).

[†] $r_0(^{221}\text{Th})=1.5525$ is used in calculation.

[‡] Absolute intensity per 100 decays.