

$^{238}\text{U}(^{12}\text{C},\text{F}\gamma)$ 1998HoZP

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 93, 33 (2001)	11-May-2001

E=90 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, (fission fragment) γ coin, $\gamma\gamma(t)$ using EUROBALL III array (15 cluster Ge detectors and 26 clover Ge detectors and 30 tapered Ge detectors) and SAPHIR array for the detection of fission fragments.

 ^{130}Te Levels

E(level)	J^π [‡]	$T_{1/2}$	Comments
0	0 ⁺		
840	2 ⁺		
1634	4 ⁺		
1816	6 ⁺		
2147	7 ⁻	115 ns	$T_{1/2}$: from Adopted Levels.
2649	8 ⁺		
2649+x	10 ⁺	4.2 μs 9	E(level): x<90 keV (1998Zh09), <25 keV (2001Ge07). $T_{1/2}$: from 1998Zh09. $T_{1/2}$ =1.90 μs 8 (2001Ge07).
3082			
3792 [†]			
4250 [†]			
4376 [†]		261 ns 33	$T_{1/2}$: from $\gamma(t)$ (1998HoZP), assumed as $T_{1/2}$ by the evaluator.

[†] Preliminary result.

[‡] As proposed by 1998HoZP, see also Adopted Levels.

 $\gamma(^{130}\text{Te})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
126 [†]	4376		4250	
182	1816	6 ⁺	1634	4 ⁺
331	2147	7 ⁻	1816	6 ⁺
458 [†]	4250		3792	
502	2649	8 ⁺	2147	7 ⁻
710 [†]	3792		3082	
794	1634	4 ⁺	840	2 ⁺
833	2649	8 ⁺	1816	6 ⁺
840	840	2 ⁺	0	0 ⁺
935	3082		2147	7 ⁻

[†] Preliminary assignment.

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Level Scheme

