

$^{130}\text{Te}(^{64}\text{Ni},\text{X}\gamma), ^{208}\text{Pb}(^{64}\text{Ni},\text{X}\gamma)$ **1995Br10**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 113, 1735 (2012)	1-Mar-2012

$E(^{64}\text{Ni})=275$ MeV. Isotope identification by observation of 814γ and 2033γ and $\gamma\gamma$ cross-coincidences with Te partner. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, and $T_{1/2}$ using pulsed beam technique with GASP array.

 ^{68}Ni Levels

E(level)	J^π †	$T_{1/2}$	Comments
0.0	0^+		
2033	2^+		
2847	5^-	0.86 ms 5	$T_{1/2}$: Weighted average of $814\gamma(t)$ and $2033\gamma(t)$.
3147	(4^+)		

† From the Adopted Levels.

 $\gamma(^{68}\text{Ni})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	Comments
814	2847	5^-	2033	2^+	E3	Mult.: from RUL, $T_{1/2}$ is consistent only with E3.
1114	3147	(4^+)	2033	2^+		
2033	2033	2^+	0.0	0^+		

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