

$^{92}\text{Mo}(^{54}\text{Fe}, 2\text{p}2\text{n}\gamma)$ 1987Go10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli		NDS 112, 1949 (2011)	1-Jun-2010

$E(^{54}\text{Fe})=260$ MeV.

Measured: γ , $\gamma\gamma$, γ -K x ray.

 ^{142}Dy Levels

E(level)	$J^{\pi\dagger}$
0.0	0^+
315.9 4	(2^+)
798.9 6	(4^+)
1387.3 7	(6^+)
2010.6 9	(8^+)
2639.3? 10	
3241.2? 11	

\dagger Adopted values.

 $\gamma(^{142}\text{Dy})$

E_{γ}	I_{γ}	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}
315.9 4	100 10	315.9	(2^+)	0.0	0^+
483.0 4	80 10	798.9	(4^+)	315.9	(2^+)
588.4 4	64 7	1387.3	(6^+)	798.9	(4^+)
601.9 5	17 4	3241.2?		2639.3?	
623.3 5	35 6	2010.6	(8^+)	1387.3	(6^+)
628.7 5	23 4	2639.3?		2010.6	(8^+)

$^{92}\text{Mo}(^{54}\text{Fe}, 2p2n\gamma)$ 1987Go10

Level Scheme

Intensities: Relative I_γ

Legend

- \longrightarrow $I_\gamma < 2\% \times I_\gamma^{\max}$
- \longrightarrow $I_\gamma < 10\% \times I_\gamma^{\max}$
- \longrightarrow $I_\gamma > 10\% \times I_\gamma^{\max}$

 $^{142}_{66}\text{Dy}_{76}$