

$^{92}\text{Mo}(^{54}\text{Fe},\alpha p\gamma)$ 2004Me25

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

2004Me25: E=240 MeV; used tandem XTU at LNL Legnaro, multidetector array Gasp composed of 40 Compton-suppressed HPGe detectors with BGO and ISIS light charged particle detector (40 ΔE -E detectors), and the recoil mass spectrometer CAMEL. Measured charged particle- γ - γ , mass- γ - γ and γ - γ - γ coin, DCO ratios.

 ^{141}Tb Levels

E(level)	J^π [†]
0.0+x [‡]	(11/2 ⁻)
307+x [‡]	(15/2 ⁻)
813+x [‡]	(19/2 ⁻)
1461+x [‡]	(23/2 ⁻)
2203+x [‡]	(27/2 ⁻)
2969+x [‡]	(31/2 ⁻)
3737+x [‡]	(35/2 ⁻)
4594+x [‡]	(39/2 ⁻)
5585+x [‡]	(43/2 ⁻)
6712+x [‡]	(47/2 ⁻)

[†] Based on syst for J=11/2⁻ aligned bands and γ -ray multipolarities.

[‡] Band(A): yrast $\pi h_{1/2}$ decoupled band.

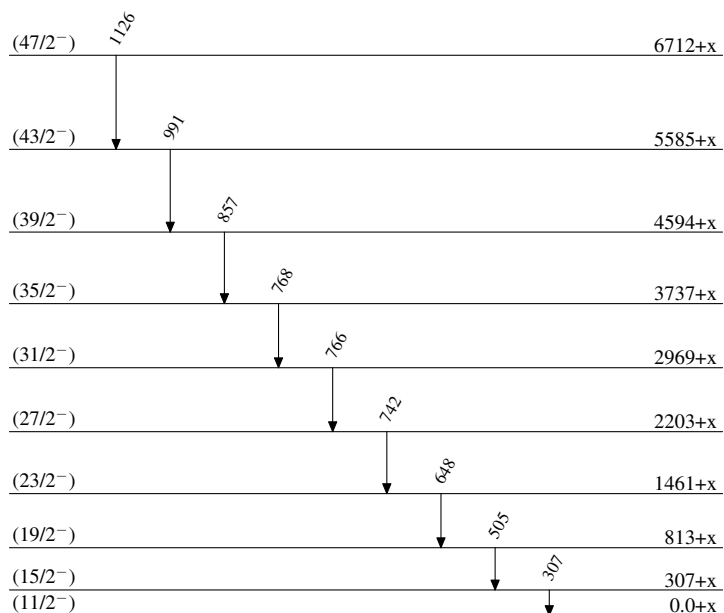
 $\gamma(^{141}\text{Tb})$

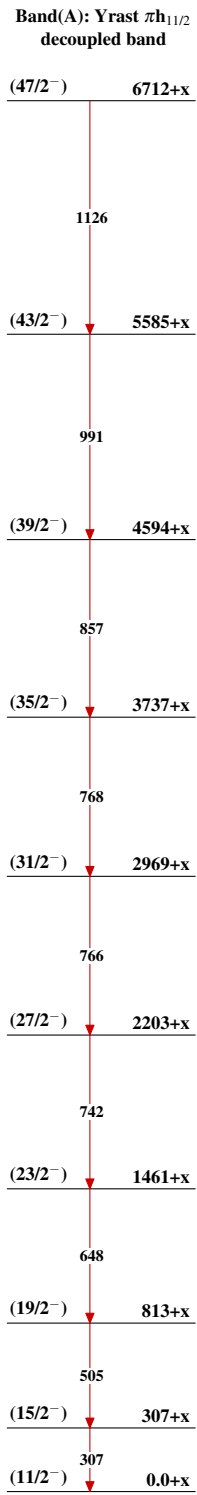
γ -ray multipolarities determined by DCO ratio measurements found of the $\Delta J=2$, Q type (**2004Me25** give no supporting evidence).

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
307	307+x	(15/2 ⁻)	0.0+x	(11/2 ⁻)
505	813+x	(19/2 ⁻)	307+x	(15/2 ⁻)
648	1461+x	(23/2 ⁻)	813+x	(19/2 ⁻)
742	2203+x	(27/2 ⁻)	1461+x	(23/2 ⁻)
766	2969+x	(31/2 ⁻)	2203+x	(27/2 ⁻)
768	3737+x	(35/2 ⁻)	2969+x	(31/2 ⁻)
857	4594+x	(39/2 ⁻)	3737+x	(35/2 ⁻)
991	5585+x	(43/2 ⁻)	4594+x	(39/2 ⁻)
1126	6712+x	(47/2 ⁻)	5585+x	(43/2 ⁻)

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Level Scheme

 $^{141}_{65}\text{Tb}_{76}$

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