

$^{177}\text{Hf}(^{12}\text{C},5n\gamma), ^{175}\text{Lu}(^{14}\text{N},5n\gamma)$ **1976Be37,1967Bu02**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111,275 (2010)	1-Oct-2009

1976Be37: $^{177}\text{Hf}(^{12}\text{C},5n\gamma)$ $E(^{12}\text{C})=105$ MeV, measured $E\gamma$, $I\gamma$, $\gamma(\theta)$, $\gamma\gamma$ -coin, Ge detectors.

1967Bu02: $^{175}\text{Lu}(^{14}\text{N},5n\gamma)$, $E(^{14}\text{N})=55$ -120 MeV, measured $E\gamma$, $I\gamma$, Ge detector. See also **1966Bu08**.

 ^{184}Pt Levels

$E(\text{level})^\dagger$	J^π^\ddagger	$E(\text{level})^\dagger$	J^π^\ddagger	$E(\text{level})^\dagger$	J^π^\ddagger	$E(\text{level})^\dagger$	J^π^\ddagger
0.0 [#]	0 ⁺	798.90 [#] 18	6 ⁺	2205.1 [#] 4	12 ⁺	3869.3 [#] 7	18 ⁺
163.20 [#] 10	2 ⁺	1231.40 [#] 20	8 ⁺	2727.5 [#] 5	14 ⁺	4493.7 [#] 8	20 ⁺
436.40 [#] 15	4 ⁺	1707.6 [#] 3	10 ⁺	3282.7 [#] 6	16 ⁺		

[†] From $E\gamma$.

[‡] From Adopted Levels.

[#] Band(A): $K^\pi=0^+$ g.s. band.

 $\gamma(^{184}\text{Pt})$

E_γ^\ddagger	$I_\gamma^\#$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult. [†]	$\alpha^@$	Comments
163.2	1	100	163.20	2 ⁺	0.0	0 ⁺	(E2)	0.734
273.2	1	176	436.40	4 ⁺	163.20	2 ⁺	(E2)	0.1307
362.5	1	134	798.90	6 ⁺	436.40	4 ⁺	(E2)	0.0572
432.5	1	129	1231.40	8 ⁺	798.90	6 ⁺	(E2)	0.0356
476.2	2	106	1707.6	10 ⁺	1231.40	8 ⁺	(E2)	0.0279
497.5	2	98	2205.1	12 ⁺	1707.6	10 ⁺	(E2)	0.0251
522.4	3	116	2727.5	14 ⁺	2205.1	12 ⁺	(E2)	0.0223
555.2	3	58	3282.7	16 ⁺	2727.5	14 ⁺	(E2)	0.0193
586.6	4	37	3869.3	18 ⁺	3282.7	16 ⁺	(E2)	0.01695
624.4	4	28	4493.7	20 ⁺	3869.3	18 ⁺	(E2)	0.01471

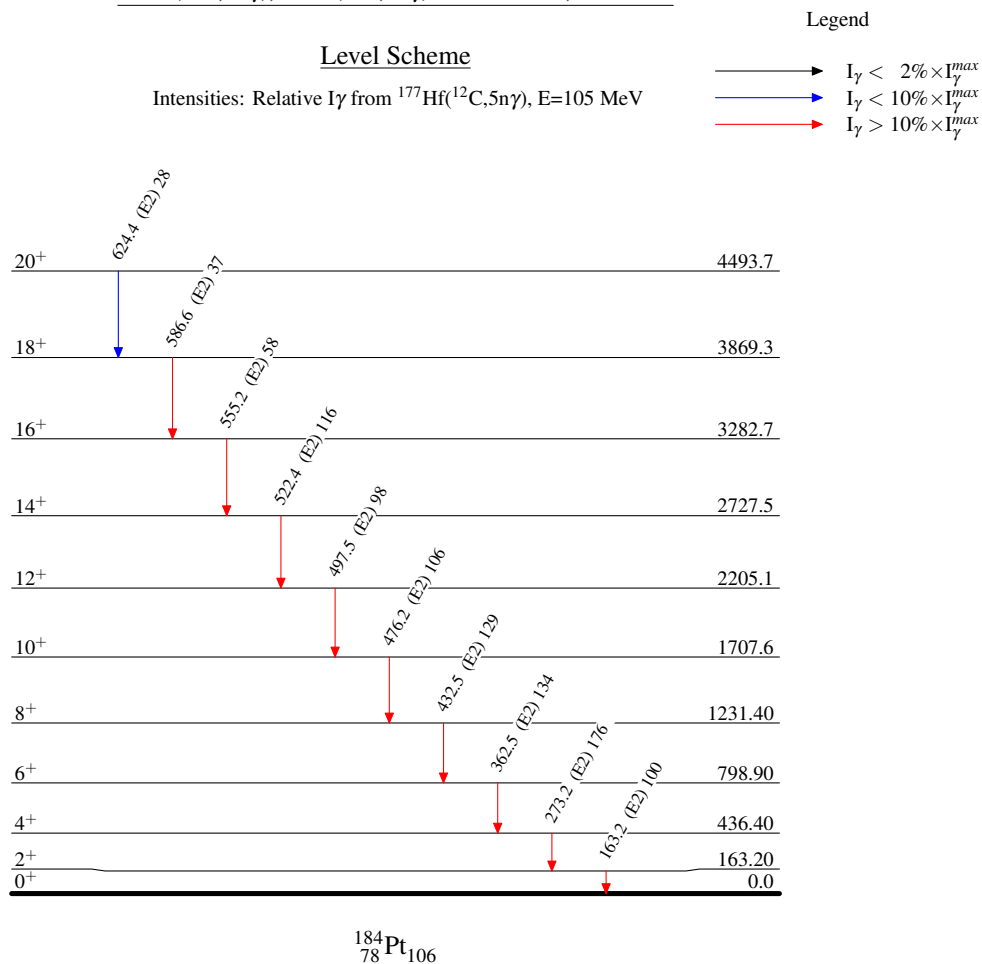
I_γ : partly due to other transitions.

[†] From $\gamma(\theta)$ (**1976Be37**), all transitions are stretched Q. Additionally, evaluator has assigned $\Delta\pi=(\text{No})$ to intraband transitions.

[‡] From **1976Be37**.

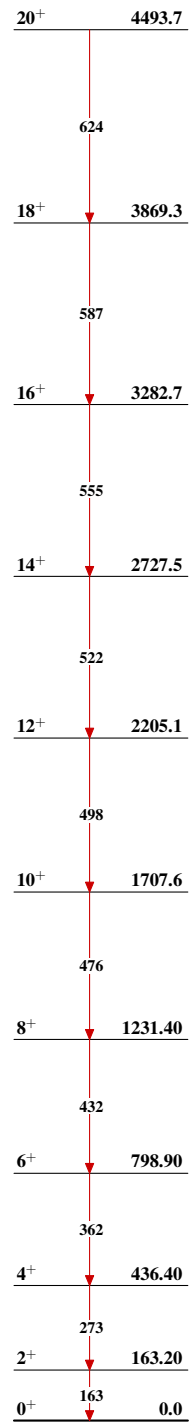
[#] Relative photon intensity at $\theta=125^\circ$ (**1976Be37**).

[@] Total theoretical internal conversion coefficients, calculated using the BrIcc code (**2008Ki07**) with Frozen orbital approximation based on γ -ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

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Band(A): $K^\pi=0^+$ g.s.
band

 $^{184}_{78}\text{Pt}_{106}$