

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, Huo Junde		NDS 87,15 (1999)	1-Nov-1998

Q(β⁻)=-1.108×10⁴ syst; S(n)=1.145×10⁴ 6; S(p)=2339 16; Q(α)=6183 4 [2012Wa38](#)

Note: Current evaluation has used the following Q record -1.128E4 SY1.151E4 112.5E3 SY6184 5 [1995Au04](#).

¹⁷⁴Pt Levels

Cross Reference (XREF) Flags

- A (HI,xny)
- B ¹⁷⁸Hg α decay

E(level)	J ^π †	T _{1/2}	XREF	Comments
0‡	0 ⁺	0.889 s 17	AB	%α=76 8; %ε+%β ⁺ =24 8 T _{1/2} : weighted average (χ ² /ν=1.8) of 0.80 s 5 (1981De22), 0.90 s 1 (1982En03), and 0.890 s 20 (1996Pa01). %α: Weighted average (χ ² /ν=4.2) of 67% 6 (1996Pa01) and 83% 5 (1979Ha10).
394.2‡	10 2 ⁺		A	
891.8‡	15 4 ⁺		A	
1276?			A	
1365.0‡	18 6 ⁺		A	
1776.8	18		A	
1796.1	20 (7)		A	
1826.6‡	20 8 ⁺		A	
2060.8	20		A	
2328.1‡	23 10 ⁺		A	
2879.2‡	25 12 ⁺		A	
3449‡	3 14 ⁺		A	

† Based on rotational structure. DCO ratios are consistent with stretched Q for transitions deexciting these levels.

‡ Band(A): K^π=0⁺ g.s. rotational band.

γ(¹⁷⁴Pt)

E _i (level)	J _i ^π	E _γ	I _γ	E _f	J _f ^π	E _i (level)	J _i ^π	E _γ	I _γ	E _f	J _f ^π
394.2	2 ⁺	394.2	100	0	0 ⁺	1826.6	8 ⁺	461.6	100	1365.0	6 ⁺
891.8	4 ⁺	497.6	100	394.2	2 ⁺	2060.8		284.0	100	1776.8	
1276?		882†	100	394.2	2 ⁺	2328.1	10 ⁺	501.5	100	1826.6	8 ⁺
1365.0	6 ⁺	473.2	100	891.8	4 ⁺	2879.2	12 ⁺	551.1	100	2328.1	10 ⁺
1776.8		885	100	891.8	4 ⁺	3449	14 ⁺	569.9	100	2879.2	12 ⁺
1796.1	(7)	431.1	100	1365.0	6 ⁺						

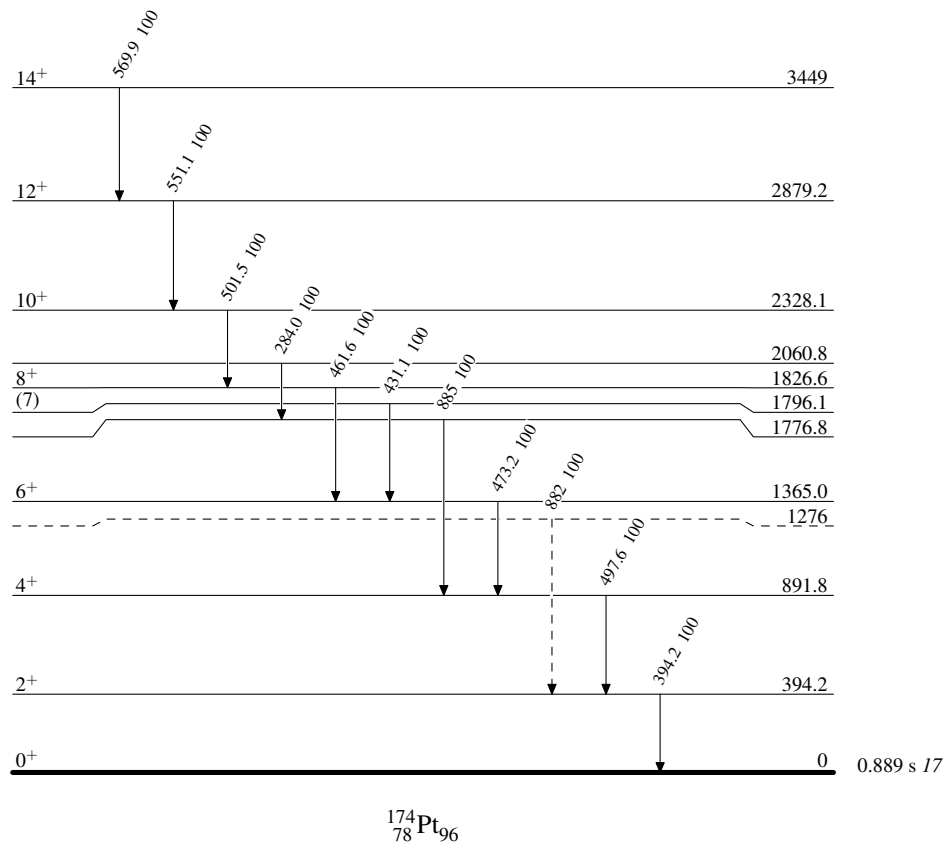
† Placement of transition in the level scheme is uncertain.

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Legend

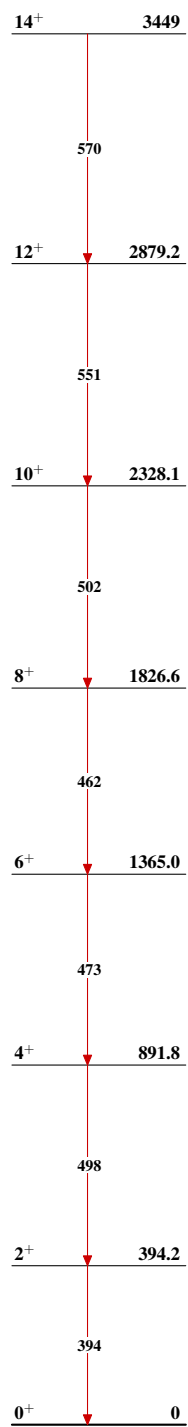
Level Scheme

Intensities: Relative photon branching from each level

-----▶ γ Decay (Uncertain)

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

 $^{174}_{78}\text{Pt}_{96}$