^{134}La IT decay (29 μs) 1985Mo01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

Parent: ^{134}La: E=336.44+x; $T_{1/2}$=29 μs *4*; %IT decay=100.0

^{134}La Levels

E(level)	J^{π} †	$T_{1/2}$	Comments
0.0	1^+	6.45 min *16*	
122.86 *14*			
164.28 *14*			
186.98 *19*	$(2)^+$		
220.27 *14*			
274.72 *14*			
329.3 *6*			
336.43 *17*			
336.43+x		29 μs *4*	Additional information 1. E(level): decays to 336.4 and 329.3 levels by two low-energy unobserved transitions.

† From Adopted Levels.

$\gamma(^{134}$La)

E_i(level)	J_i^{π}	E_{γ}	I_{γ} †	E_f	J_f^{π}	Mult.	α #
122.86		122.9 *2*	100	0.0	1^+		
164.28		(41.4)		122.86			
		164.3 *2*	100	0.0	1^+		
186.98	$(2)^+$	187.0 *2*	100	0.0	1^+		
220.27		56.0‡ *5*	70 *40*	164.28			
		97.4 *2*	100 *40*	122.86		(M1+E2)	1.7 *5*
		220.2 *2*	100 *40*	0.0	1^+		
274.72		110.4 *2*	15 *5*	164.28			
		151.9 *2*	21 *4*	122.86			
		274.7 *2*	100 *10*	0.0	1^+		
329.3		54.6‡ *5*	100	274.72			
336.43		61.7‡ *5*	22 *11*	274.72			
		116.1 *2*	100 *21*	220.27			
		149.6‡ *5*	11 *6*	186.98	$(2)^+$		
		172.2 *2*	25 *8*	164.28			

† Relative photon branching from each level.
‡ Line contaminated.
# Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

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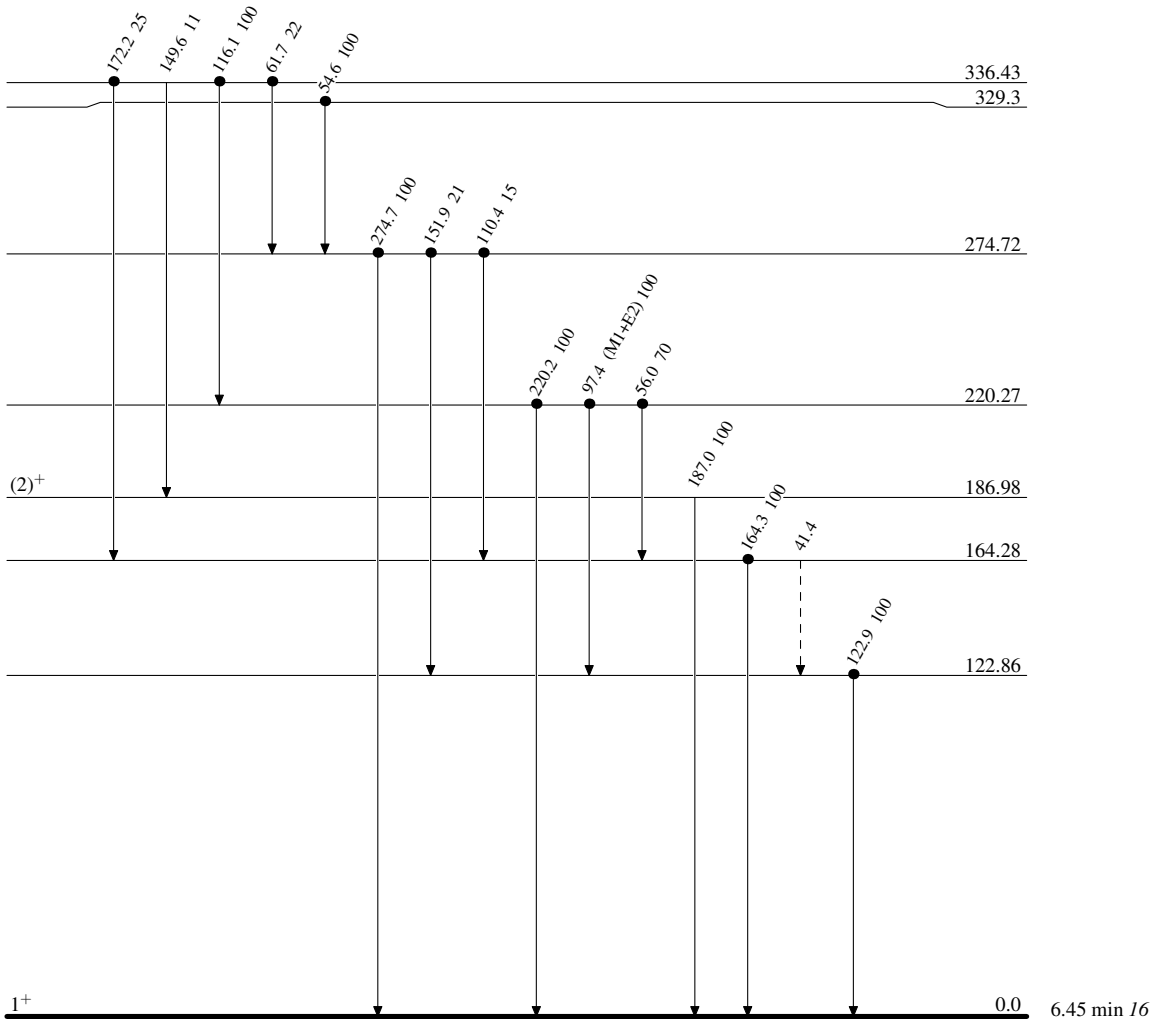
Legend

Decay Scheme

Intensities: Relative photon branching from each level
%IT=100.0

γ Decay (Uncertain)
Coincidence



$^{134}_{57}La_{77}$