

$^{130}\text{Te}(7\text{Li},3n\gamma)$ 2003Ko23

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

E=28, 33 MeV. Measured E_γ , I_γ , $\gamma\gamma$ using an array comprised of six Compton-suppressed HPGe detectors in conjunction with a 14-element BGO multiplicity filter.

 ^{134}Cs Levels

E(level) [†]	J^π	$T_{1/2}$	E(level) [†]	E(level) [†]
0 [‡]	4 ⁺	2.0652 [‡] y 4	748.7 9	1551.7 [#] 13
11.244 [‡] 2	5 ⁺	[‡]	820.7 [@] 10	1970.7 [#] 14
138.744 [‡] 3	8 ⁻	2.912 [‡] h 2	1028.7 17	2098.7 [#] 14
434.7 [#] 9			1360.7 [@] 12	2253.7 [#] 17
640.7 [#] 11			1393.7 [#] 10	
680.7 14			1456.7 17	

[†] From least-squares fit to E_γ assuming $\sigma = 1$ keV.

[‡] From Adopted Levels.

[#] Band(A): γ cascade.

[@] Band(B): γ cascade.

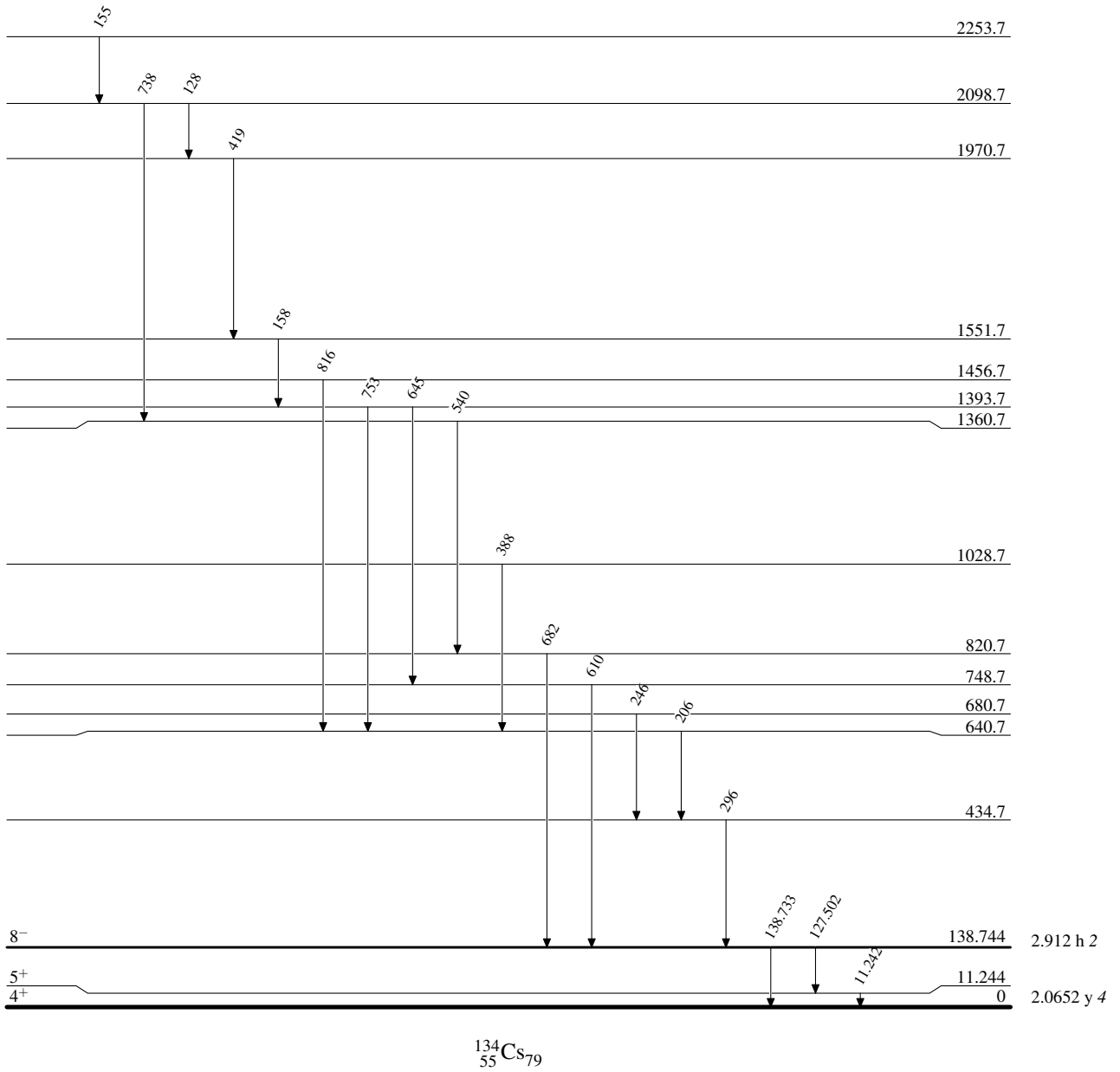
 $\gamma(^{134}\text{Cs})$

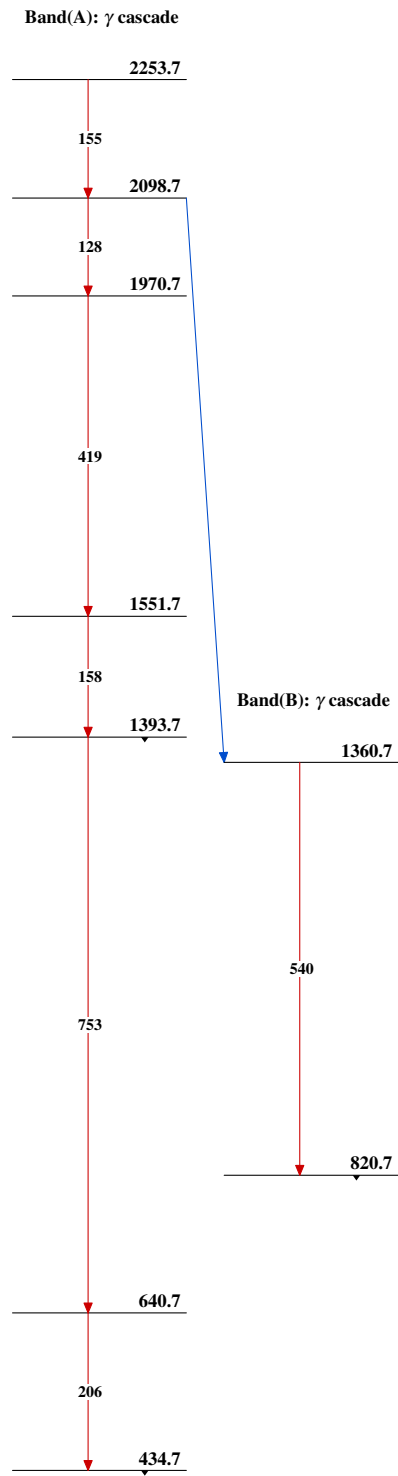
E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	E_f	J_f^π
11.242 [†] 7	11.244	5 ⁺	0	4 ⁺	388	1028.7	640.7	
127.502 [†] 3	138.744	8 ⁻	11.244	5 ⁺	419	1970.7	1551.7	
128	2098.7		1970.7		540	1360.7	820.7	
138.733 [†] 11	138.744	8 ⁻	0	4 ⁺	610	748.7	138.744	8 ⁻
155	2253.7		2098.7		645	1393.7	748.7	
158	1551.7		1393.7		682	820.7	138.744	8 ⁻
206	640.7		434.7		738	2098.7	1360.7	
246	680.7		434.7		753	1393.7	640.7	
296	434.7		138.744	8 ⁻	816	1456.7	640.7	

[†] From Adopted Gammas.

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Level Scheme



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