^{89}Y(p,p′γ) 1973BeYD

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 114, 1 (2013)	20-Oct-2012

1973BeYD: E=8, 14.4, 17 MeV. Measured $T_{1/2}$ by DSA.

Others:

1983Ra02: E=1.7, 2.4 MeV. Measured yield.

1970Mo15: measured conversion electrons.

^{89}Y Levels

E(level)	Jπ‡	$T_{1/2}$†	Comments
0.0	1/2−		
908	9/2+	15.663 s	$T_{1/2}$: from Adopted Levels.
1507	3/2−	19 fs *8*	
1745	5/2−	0.9 ps *8*	
2221	5/2+	0.35 ps *14*	
2530	7/2+	0.08 ps *4*	
2621	9/2+	0.12 ps *6*	
2872	(7/2)+	<0.2 ps	

† DSA (1973BeYD).

‡ From Adopted Levels.

γ(^{89}Y)

E_i(level)	J^π_i	E_γ†	I_γ‡	E_f	J^π_f	Mult.	Comments
908	9/2+	908		0.0	1/2−	M4+E5	Mult.: from Adopted Gammas.
1507	3/2−	1507		0.0	1/2−		
1745	5/2−	1745		0.0	1/2−		
2221	5/2+	714	30	1507	3/2−		
		1313	70	908	9/2+		
2530	7/2+	1622		908	9/2+		
2621	9/2+	1713		908	9/2+		
2872	(7/2)+	1964		908	9/2+		

† From level energy differences.

‡ Branching ratios.

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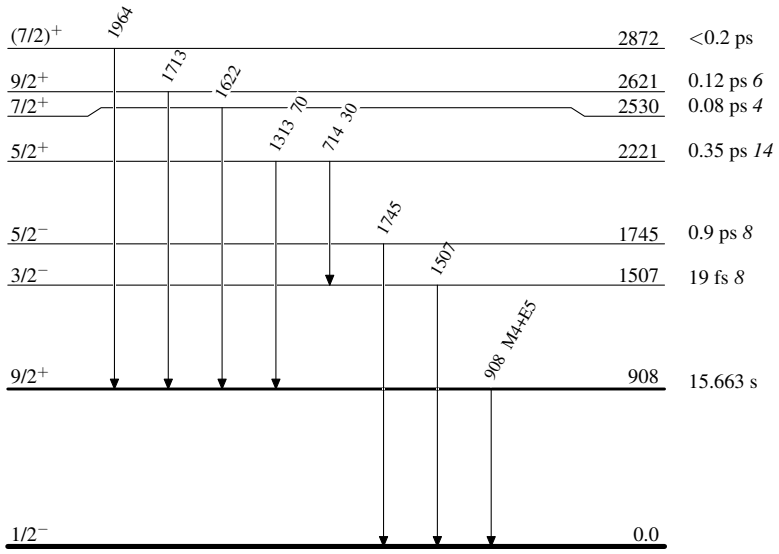
Level Scheme

Intensities: % photon branching from each level



$^{89}_{39}Y_{50}$