

⁸⁰Y IT decay (4.7 μs) 2000Ch07,1998Do04,2001Re11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

Parent: ⁸⁰Y: E=312.6 9; J^π=(2⁺); T_{1/2}=4.7 μs 3; %IT decay=100.0
 Measured delayed γ, half-life. Other: [2000Do10](#).

⁸⁰Y Levels

E(level)	J ^π †	T _{1/2} †	Comments
0	(4 ⁻)	30.1 s 5	
228.5 1	(1 ⁻)	4.8 s 3	%IT=81 2; %ε+%β ⁺ =19 2
312.6 9	(2 ⁺)	4.7 μs 3	%IT=100 T _{1/2} : measured by 2000Ch07 .

† From Adopted Levels.

γ(⁸⁰Y)

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π	Mult.	δ	α [†]	Comments
84	312.6	(2 ⁺)	228.5	(1 ⁻)	[E1]		0.18	E _γ : from 1998Do04 .
228.5 1	228.5	(1 ⁻)	0	(4 ⁻)	M3(+E4)	<0.05	0.53	Mult.,δ: from Adopted Gammas.

† 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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Decay Scheme

%IT=100.0

