^{80}Zr ε decay (4.6 s) 2000Re03

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

Parent: ^{80}Zr: E=0.0; $J^\pi=0^+$; $T_{1/2}$=4.6 s *6*; Q(ε)=5.7×10^3 *15*; %ε+%$β^+$ decay=100.0

2000Re03: ^{58}Ni(^{24}Mg,2n), E= 195 MeV, recoil mass spectrometer, measured $β^+γ$, $β^+γ$(t), γγ HPGE, scin.

^{80}Y Levels

E(level)	J^π†	$T_{1/2}$†	Comments
0.0	(4$^-$)		
228.5 *1*	(1$^-$)	4.8 s *3*	%IT=81 *2*; %ε+%$β^+$=19 *2*
312	(2$^+$)	4.7 μs *3*	%IT=100
623	(1$^+$)		

† From Adopted Levels.

γ(^{80}Y)

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Comments
84	312	(2$^+$)	228.5	(1$^-$)	
228.5 *1*	228.5	(1$^-$)	0.0	(4$^-$)	E_γ: from 'adopted gammas'.
311	623	(1$^+$)	312	(2$^+$)	

^{80}Zr ε decay (4.6 s) 2000Re03

Decay Scheme