

^{97}Y IT decay (1.17 s) 1976MoZC

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 111, 525 (2010)	19-Nov-2009

Parent: ^{97}Y : E=667.52 23; $J^\pi=(9/2)^+$; $T_{1/2}=1.17$ s 3; %IT decay<0.7

^{97}Y -E, J^π , $T_{1/2}$: From Adopted Levels.

^{97}Y -%IT decay: %IT<0.7 from 1976MoZC.

1976MoZC: measured E_γ , I_γ , $\gamma\gamma$.

 ^{97}Y Levels

E(level) [†]	J^π [†]	$T_{1/2}$ [†]	Comments
0.0	(1/2 ⁻)	3.75 s 3	% β^- =100.0; % β^- -n=0.055 4 % β^- , % β^- -n: from Adopted Levels.
667.52 23	(9/2) ⁺	1.17 s 3	%IT<0.7 (1976MoZC); % β^- >99.3 (1976MoZC); % β^- -n<0.08 % β^- -n: from Adopted Levels.

[†] From Adopted Levels.

 $\gamma(^{97}\text{Y})$

In studying the decay of ^{97}Sr , 1976MoZC observed a γ of 667.5 keV which probably corresponds to the deexcitation of the isomeric state. The intensity of the γ was too low to measure its half-life.

ΔE : from Adopted Gammas.

E_γ [†]	E_i (level)	J_i^π	E_f	J_f^π	Mult.	$I_{(\gamma+ce)}$ [‡]
667.5 5	667.52	(9/2) ⁺	0.0	(1/2 ⁻)	[M4]	100

[†] From Adopted Gammas.

[‡] For absolute intensity per 100 decays, multiply by <0.007.

^{97}Y IT decay (1.17 s) 1976MoZC

Decay Scheme

%IT < 0.7

