

${}^{89}\text{Y}(\text{p,p}')(\text{p,p}'\gamma)$ 1967B107,1968Lo04

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, E. A. Mccutchan		NDS 165,1 (2020)	1-Mar-2020

1964Jo13,1967B107: E=4.7-6.4 MeV. Measured yield of 909-keV isomeric transition, scintillator.

1968Lo04: E=5.5-10.9 MeV. Measured $\sigma(E)$, $W(\theta)$, magnetic spectrograph.

 ${}^{90}\text{Zr}$ Levels

E(level) [†]	J π [@]	Comments
13088 [‡]		E(level): Probable analog of ${}^{90}\text{Y}(\text{g.s.})$.
13314 [‡]		E(level): Probable analog of ${}^{90}\text{Y}(203)$.
13917 [‡]		E(level): Probable analog of ${}^{90}\text{Y}(777)$.
14095 [‡]		E(level): Probable analog of ${}^{90}\text{Y}(954)$.
14332 [‡]		
14748 [#]	(3 ⁻)	
14878 [#]	(0 ⁻)	
14928 [#]	(1 ⁻)	
15578 [#]		
15948 [#]	(2 ⁻)	
16148 [#]	(2 ⁻)	
16258 [#]	(1 ⁻)	
16278 [#]		

[†] E(level) has been calculated from E(p) using S(p)=8353.1 keV 16 (2017Wa10).

[‡] From 1967B107.

[#] From 1968Lo04.

[@] Tentative assignment from $\sigma(\theta)$ (1968Lo04).