

${}^{93}\text{Nb}(\mu^{-}, 2n\gamma)$ 1971Ba10

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

Ge(Li) detectors. γ 's were assigned to ${}^{91}\text{Zr}$ on the basis of the previously known level scheme. Of the intensity observed from the ${}^{93}\text{Nb}$ target, $I_{\gamma} \approx 8\%$ could not be assigned to a specific nuclide.

 ${}^{91}\text{Zr}$ Levels

E(level) [†]	J^{π} [‡]
0	$5/2^{+}$
1205.0 10	$1/2^{+}$
1463.6 3	$5/2^{+}$

[†] From E_{γ} .

[‡] From Adopted Levels.

 $\gamma({}^{91}\text{Zr})$

E_{γ}	I_{γ} [†]	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}
^x 990.5 [‡] 5	9.0 15				
1205 1	≤ 2	1205.0	$1/2^{+}$	0	$5/2^{+}$
1463.6 3	9.0 20	1463.6	$5/2^{+}$	0	$5/2^{+}$

[†] Photon intensity/100 μ captures.

[‡] Possibly does not belong to ${}^{91}\text{Zr}$.

^x γ ray not placed in level scheme.

${}^{93}\text{Nb}(\mu^{-}, 2n\gamma)$ 1971Ba10

Level Scheme

Intensities: Relative I_{γ}

Legend

- \longrightarrow $I_{\gamma} < 2\% \times I_{\gamma}^{max}$
- \longrightarrow $I_{\gamma} < 10\% \times I_{\gamma}^{max}$
- \longrightarrow $I_{\gamma} > 10\% \times I_{\gamma}^{max}$

