

${}^{208}\text{Pb}({}^{90}\text{Zr}, {}^{90}\text{Zr}'\gamma)$ 2015Va12

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

2015Va12: $E({}^{90}\text{Zr})=560$ MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, recoil- γ using CLARA array consisting of 24 Compton-suppressed Clover detectors. Projectile-like products detected with the PRISMA magnetic spectrometer at lab angles of 56° and 61° .

Ohter: [2005Ga44](#).

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

$E(\text{level})^\dagger$	J^π^\dagger	$E(\text{level})^\dagger$	J^π^\dagger	$E(\text{level})^\dagger$	J^π^\dagger
0.0	0^+	2747.9	3^-	3589.4	8^+
2186.3	2^+	3076.9	4^+	3842.3	2^+
2319.0	5^-	3308.2	2^+	4058.1	4^+
2739.3	$(4)^-$	3448.2	6^+	4374.8	7^-
				5644.0	10^+

† From Figure 3 in [2015Va12](#).

 $\gamma({}^{90}\text{Zr})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
329.1	3076.9	4^+	2747.9	3^-	1871.9	4058.1	4^+	2186.3	2^+
420.3	2739.3	$(4)^-$	2319.0	5^-	2054.6	5644.0	10^+	3589.4	8^+
561.6	2747.9	3^-	2186.3	2^+	2055.8	4374.8	7^-	2319.0	5^-
890.6	3076.9	4^+	2186.3	2^+	2186.3	2186.3	2^+	0.0	0^+
1122.0	3308.2	2^+	2186.3	2^+	3308.1	3308.2	2^+	0.0	0^+
1129.2	3448.2	6^+	2319.0	5^-	3842.2	3842.3	2^+	0.0	0^+

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