

${}^{91}\text{Zr}(\alpha, \alpha')$ 1974Ku22

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

$J^\pi(\text{target})=5/2^+$.

Other: 1965Br09 (E=43 MeV, seven levels).

1974Ku22: E=34.4 MeV. Enriched target. Magnetic spectrometer, FWHM=70 keV (small angles); semi, FWHM=120 keV (other angles).

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

E(level) [†]	L [‡]	β_L [‡]	E(level) [†]	L [‡]	β_L [‡]	E(level) [†]	L [‡]
0			2.04×10^3	3		3.03×10^3	3
1.21×10^3	2	0.16	2.17×10^3	3	(0.11)	3.24×10^3	
1.47×10^3	2	0.05	2.58×10^3	3	(0.21)	3.47×10^3	
1.88×10^3	2	0.08	2.83×10^3	3	(0.22)	4.3×10^3	(5)
						5.6×10^3	(3)

[†] From 1974Ku22.

[‡] From DWBA analysis.