

${}^{92}\text{Zr}({}^3\text{He},\alpha)$ 1977Ga17

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

E=39 MeV. ${}^{92}\text{Zr}$ present as 0.65% and 4.2% impurities in targets enriched in ${}^{90}\text{Zr}$ and ${}^{96}\text{Zr}$, respectively. Magnetic spectrometer + semi, FWHM=30 keV 3535 keV. $\theta(\text{lab})=5^\circ-40^\circ$ (5° steps).

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

E(level)	L^\dagger	C^2S^\dagger	Comments
0	(2)	1.46	C^2S : if $J^\pi=5/2^+$.
2.94×10^3	(4)	7.53	C^2S : if $J^\pi=9/2^+$.

† From DWBA analysis.