
 $^{90}\text{Zr}(^3\text{He}, ^7\text{Be})$ [1976St11](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 124, 1 (2015)	30-Nov-2014

[1976St11](#) (also [1975StZH](#)): E=70 MeV. Measured $\sigma(\theta)$ from $\theta=10^\circ-35^\circ$. Finite-range distorted-wave calculations. Analysis is made difficult by both small cross sections and the presence of secondary peaks due to excitation of ^7Be to its first-excited state at 429.

 ^{86}Sr Levels

E(level)	J^π [†]
0	0^+
1090 20	2^+
1840 20	2^+
2230 50	4^+
2710 70	
3030 70	
3440 80	
3960 80	

[†] From Adopted Levels. $\sigma(\theta)$ data are compared by [1976St11](#) with finite range calculations, assuming an α -cluster transfer.