

$^{92}\text{Zr}(\text{d},^6\text{Li})$ 1984Va31

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan and A. A. Sonzogni		NDS 115, 135 (2014)	1-Nov-2013

1984Va31: E(d)=45 MeV. Measured $\sigma(\theta)$ with $\theta=3.5^\circ-35^\circ$ using QMG/2 spectrograph and two gas filled position sensitive detectors coupled to a plastic scintillator (FWHM=70-100 keV); DWBA analysis. Subset of results reported in 1983Va18.

1979SaZO: E(d)=45,55 MeV. Measured $\sigma(\theta)$ with $\theta=6^\circ$ to 30° using QMG/2 spectrograph (FWHM=80 keV).

 ^{88}Sr Levels

E(level) [†]	L [‡]	S [#]	E(level) [†]	L [‡]	S [#]	E(level) [†]	L [‡]	S [#]
0	0	0.13	4.47×10^3 2	(0)	0.02	5.36×10^3 2	(4)	0.02
1840 15	2	0.09	4.53×10^3 2	(7)	0.09	5.49×10^3 2	(4)	0.02
2.73×10^3 2	3	0.05	4.61×10^3 2	(3)	0.03	5.67×10^3 2	(4)	0.04
3150 15	0	0.04	4.75×10^3 2	(0)	0.03	5780 15	(4)	0.07
3.58×10^3 2	5	0.04	4.85×10^3 2	(3)	0.06	5.94×10^3 2	(2)	0.03
4.02×10^3 @ 2	5+2	0.19+0.02	4.96×10^3 2	(6)	0.03	6.56×10^3 @ 2	(0+6)	0.03+0.10
4.25×10^3 2	(4)	0.01	5.13×10^3 2	2	0.03	6.65×10^3 & 2		
4.36×10^3 2	(7)	0.07	5.23×10^3 2	4	0.02	6.86×10^3 & 2		

[†] From 1984Va31, except where noted.

[‡] From DWBA analysis in 1984Va31.

[#] Spectroscopic strength $S=(2L+1) \times \sigma(\text{exp})/\sigma(\text{DWBA})$ measured at E=45 MeV (1984Va31). These values depend strongly on the optical-model parameters and should therefore be treated only as relative values. 1984Va31 also provide S values for E(d)=55 MeV.

@ Unresolved doublet.

& From 1979SaZO.