
 $^{78}\text{Kr}(\text{pol d,p})$ [1982Bu01](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 135, 193 (2016)	31-May-2016

E=11 MeV.

Includes $^{78}\text{Kr}(\text{d,p})$ ([1975Ch11](#)).

Differential cross sections and vector analyzing powers studied from 25° to 95° in 5° steps (C.M.). DWBA analysis. FWHM=55 keV. Measured absolute cross sections are accurate to 15%. See also thesis by [1984BuZY](#) from the same group.

 ^{79}Kr Levels

E(level) [†]	J ^π [‡]	L	S	Comments
0	1/2 ⁻	1	0.27	Unresolved from 147, 149 groups. S≤0.02.
130	7/2 ⁺	(4)		
147	5/2 ⁻	3	0.10	
149	9/2 ⁺	4	0.38	
384	3/2 ⁻	1	0.14	
402	5/2 ⁻	3	0.04	
533	1/2 ⁺	0	0.15	
639	5/2 ⁺	2	0.10	
688	3/2 ⁺	2	0.11	
752	(5/2) ⁺	2	0.04	
810	1/2 ⁻	1	0.12	
1912	1/2 ⁺	0	0.07	
2060	5/2 ⁺	2	0.10	
2768	7/2 ⁺ , 9/2 ⁺	4	0.18	Level reported by 1975Ch11 in $^{78}\text{Kr}(\text{d,p})$.

[†] Uncertainty not given by [1982Bu01](#). Evaluators estimate this to be ≈5 keV.

[‡] From L-transfers and vector analyzing power data ([1982Bu01](#)).