

$^{74}\text{Se}(\text{d,p})$ 1978Sh06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 114, 841 (2013)	30-Jun-2013

E=6.0 MeV. 160 $\mu\text{g}/\text{cm}^2$ enriched target 67%; measured $\sigma(\theta)$ from 20° to 90° in 5° steps using two silicon detectors; FWHM=17 keV. DWBA analysis using the DWUCK code.

Other: [1968Li14](#).

 ^{75}Se Levels

E(level) [‡]	L [†]	(2J+1)S	E(level) [‡]	L [†]	(2J+1)S	E(level) [‡]	L [†]	(2J+1)S
0	2	0.23	1586 5	2	0.39	2963 10	2	0.08
134 2	4	6.5	1603 5	(2)	0.20	3020 10	(2)	0.17
291 2	1	1.5	1653 10	(0+2)	0.08+0.2	3101 10	2	0.10
428 2	3	1.2	1674 5			3140 10	2	0.23
587 5	1	0.13	1784 5	0	0.12	3170 10	2	0.10
611 5	0	0.10	1808 5	2	0.16	3290 10	0	0.09
629 2	2	0.82	2031 10	2	0.33	3335 10	2	0.24
664 2	3	0.70	2121 10			3433 10		
757 10			2246 10	0+2	0.06+0.15	3457 10		
776? 10			2349 10	(2)	0.08	3483 10		
859 5	1	0.11	2437 10	2	0.15	3617 10	0	0.12
896 5	1	0.14	2473 10	2	0.12	3767 10		
962 5	1	0.14	2519 10	(0+2)	0.06+0.13	3895 10		
1004 5	2	0.37	2575 10	0	0.19	3917 10	2	0.10
1021? 10			2628 10	0	0.16	4079 10		
1049? 10			2713 10	2	0.23	4130 10		
1187? 10	(1)	0.15	2745 10			4255 10		
1246 5	1	0.15	2800 10			4296 10		
1433 5	0	0.41	2824 10	0	0.10	4601 10		
1551 5	2	0.39	2932 10			4726 10	2	0.16

[†] From comparison of $\sigma(\theta)$ with DWBA calculations.

[‡] Authors state uncertainties are 2 keV for strongly populated levels and 5-10 keV for weakly populated levels and higher excited states.