

$^{78}\text{Se}(\text{p,d})$  1979Ba61

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	30-Sep-2020

1979Ba61: E(p)=33 MeV. Deuteron groups were analyzed using surface barrier detector telescope. Enriched target.  $\sigma(\theta)$  data from 15° to 65°. Absolute  $\sigma$  values accurate to  $\approx 15\%$ .  
 Other: 1982Zu04; E=15 MeV, Q value measured.

 $^{77}\text{Se}$  Levels

E(level) <sup>†</sup>	L <sup>‡</sup>	S	E(level) <sup>†</sup>	L <sup>‡</sup>	S	E(level) <sup>†</sup>	L <sup>‡</sup>	S	E(level) <sup>†</sup>
0	1	0.35 <sup>#</sup>	1012 10	1	0.15 <sup>@</sup>	1717 10	1	0.26 <sup>#</sup>	2456 25
178 10	4	2.54 <sup>@</sup>	1183 10	(3)	0.25 <sup>#</sup>	1820 25			2503 25
250 10	(3)	2.38 <sup>#</sup>	1238 10	3	0.54 <sup>#</sup>	1924 25			2585 25
302 10	(2)	0.09 <sup>@</sup>	1366 25	(1)	0.1 <sup>#</sup>	2060 25			2813 25
436 10	3	0.37 <sup>#</sup>	1429 25			2119 10			2877 25
522 10	1	0.98 <sup>@</sup>	1470 25	1	0.28 <sup>#</sup>	2209 25	1	0.11 <sup>#</sup>	
680 10	2	0.097 <sup>@</sup>	1522 10	(3)	0.47 <sup>#</sup>	2274 10			
820 10	1	0.26 <sup>#</sup>	1627 25			2314 25			

<sup>†</sup>  $\Delta E$  based on authors' suggestion of 10 keV for intense groups and 25 keV for weaker groups and for groups above 2.3 MeV.

<sup>‡</sup> From comparison of angular distribution data with DWBA analysis.

<sup>#</sup> For L-1/2.

<sup>@</sup> For L+1/2.