$^{80}Se(d,^3He)$ **1983Ro08**

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

E=25.2 MeV. Measured $\sigma(\theta)$, Q value. Deduced L-transfers and spectroscopic factors using DWBA calculations. FWHM=9-13 keV.
Other: 1983Wi14, E=23 MeV. 9 groups reported. Mass excess (^{79}As)=−73636 *13*.
Q value=−5927 *7*.

^{79}As Levels

E(level)	L	S[†]	E(level)	L	S[†]	E(level)	L	S[†]	E(level)	L	S[†]
0	1	1.97	610[‡] *10*			1045 *10*	1	0.095	1897 *7*	1	0.37
108.8[#] *20*	1	0.34	642[‡] *10*			1144[‡] *10*			2052 *8*	(1)	0.21
232.7 *20*	3	4.07	779 *6*	4	1.08	1431[‡] *7*					
500 *3*	1	0.25	1014[‡] *10*			1507 *6*	1	0.10			

[†] Following orbitals are assumed for different L-transfers: $p_{3/2}$ for L=1 (but $p_{1/2}$ for 500, 1045 and 1897 levels), $f_{5/2}$ for L=3, $g_{9/2}$ for L=4.

[‡] Weakly populated level.

[#] Authors claim population of 110, $(3/2)^-$ level and not the 100, $(1/2^-)$ level. S-factor (100 level)<0.05.