

$^{82}\text{Se}(d, ^3\text{He})$ **1983Ro08**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 199,271 (2025)	1-Sep-2024

No significant change compared to the previous evaluation by C.M. Baglin (2008Ba34).

$E=25.2$ MeV. 92.2% ^{82}Se target. Solid-state position-sensitive detectors in the focal plane of split pole magnetic spectrometer. $\theta=6^\circ$ to 33° . FWHM=9 keV to 13 keV. Measured $Q=-6870$ keV 10.

 ^{81}As Levels

E(level)	L^\dagger	C^2S^\dagger	Comments
0	1	2.17	C^2S : assuming $J=3/2$.
93?			E(level): rounded value from Adopted Levels. Level is very weakly excited.
294 3	1+(3,4)		L: mixture of $L=1$ and 3, or $L=1$ and 4. $C^2S=0.14, 0.35, 0.54$ for $J=3/2, 7/2, 9/2$, respectively.
338 2	3	5.0	C^2S : assuming $J=5/2$.
738 4			
1015 5			
1495 6			
1613 8			
1666 9			

† From DWBA analysis of measured $\sigma(\theta)$.