

$^{78}\text{Se}(t, ^3\text{He})$  1979Aj02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ameenah R. Farhan, Balraj Singh		NDS 110, 1917 (2009)	30-Jun-2009

E=23.0 MeV.

Measured  $\sigma(\theta)$ ; enriched target; data taken At three angles ranging from 25° to 40°. FWHM=25 keV.

 $^{78}\text{As}$  Levels

E(level) <sup>†</sup>	d $\sigma$ /d $\Omega$ (mb/sr) <sup>‡</sup>	E(level) <sup>†</sup>	E(level) <sup>†</sup>	d $\sigma$ /d $\Omega$ (mb/sr) <sup>‡</sup>
0.0&	0.30	888 15	1480 20	
213# 20	1.8	939&	1558 20	0.84
290# 20		970 20	1626# 20	
374 15	0.92	1020 20	1710 25	
463 15		1072&	1757# 30	
508@ 20		1103&	1875# 30	
562# 20		1131&	1973 20	
624 15	3.1	1178&	2068# 20	
664	4.1	1273#&	2285# 20	
752 15	0.92	1355# 30	2383@ 30	
850@ 20		1428 20		

<sup>†</sup> Measured with respect to 664 6 level found In (d, $\alpha$ ) work (1977Mo13).

<sup>‡</sup> Differential cross section In mb/sr At  $\theta=30^\circ$  (lab).

# 1979Aj02 find this line too broad to Be due to a singlet.

@ Observed clearly At only one angle.

& Taken from 1977Mo13 In (d, $\alpha$ ). Observed by 1979Aj02 but excitation energy and Q are not measured by them.