

$^{78}\text{Se}(\text{d,d}')$  1965Li10

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

E=15 MeV; measured  $\sigma(\text{ED},\theta)$ . The authors proposed  $J^\pi$ 's using Blair phase rule At 35° and 47°. Also [1962Jo05](#) and [1961Co07](#) by the same group.

Others:

[1981ShZZ](#), [1981Nu01](#), [1980Nu01](#), [1980No04](#), [1980Bu02](#) use (pol d,d) At E=12, 12.5 MeV to deduce optical parameters and analyzing power by measuring angular distributions.

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

E(level)	$J^\pi$	$d\sigma/d\Omega$ (mb/sr) <sup>†</sup>	E(level)	$J^\pi$	$d\sigma/d\Omega$ (mb/sr) <sup>†</sup>	E(level)	$J^\pi$	$d\sigma/d\Omega$ (mb/sr) <sup>†</sup>
0.0			2220	( $\bar{}$ )	0.42	3170	( $\bar{}$ )	0.23
620	(+)	7.20	2360		0.34	3270		0.56
1320	(+)	1.84	2550	( $\bar{}$ )	2.10	3370	( $\bar{}$ )	0.54
1510	(+)	0.72	2730	(+)	0.40	3500		0.39
1760		0.26	2830	( $\bar{}$ )	0.33	3560	( $\bar{}$ )	0.31
2030	(+)	0.28	2990	(+)	0.55			

<sup>†</sup> Uncertainties not given.