

$^{142}\text{Nd}(^3\text{He,d})$  1980St10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 113, 715 (2012)	31-May-2011

E=24 MeV, FWHM $\approx$ 18 keV.

Others: E=33 MeV (1982Sc25); 40.7 MeV (1971Wi04).

Measured:  $\sigma(E,\theta)$ , DWBA analysis.

 $^{143}\text{Pm}$  Levels

E(level)	L	$\sigma(50^\circ)^\dagger$	E(level)	L	$\sigma(50^\circ)^\dagger$	E(level)	$\sigma(50^\circ)^\dagger$
0.0	2	536 55	2331 3	2	24	2956 3	28
273 3	4	44	2410 3		15	3057 3	10
960 3	5	277 30	2469 3		10	3098 3	32
1056 3	2	18	2548 3	2	36	3213 3	28
1174 3	0	764 80	2712 3		17	3357 3	26
1404 3	2	778 80	2733 3		26	3780 3	31
1614 3	2	13 2	2747 3		11	3840 3	31
1755 3	0	26 3	2777 3		35	3872 3	42
1950 3		23	2864 3		21	3908 3	34
2277 3	2	8	2904 3		17		

$^\dagger$   $\sigma$  in  $\mu\text{b/sr}$ .