

$^{143}\text{Nd}(\text{d},\text{d}')$ 1967Ch16

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

E=12 MeV; FWHM \approx 10 keV (estimated by evaluator).

Measured: $\sigma(E,\theta)$ at 90°, 125°, 150°.

 ^{143}Nd Levels

E(level)	L ‡	S †	Comments
0.0		35500	
740	(2)	93.1	
1226	(2)	95.5	L: inconsistent with adopted $\pi=+$.
1305			S: 11.0 at 125°, 17.6 at 150°.
1405	(2)	31.3	
1432	(2)	87.1	
1506	(3)	12.9	
1555	(2)	21.4	
1607	(3)	12.4	
1740	(2)	21.2	
1801	(2)	25.8	L: inconsistent with adopted $\pi=+$.
1851	(2)	21.6	
1911		5.4	
1995		26.1	
2016		38.0	
2074	(3)	19.8	
2090	(3)	47.1	
2127		2.3	
2183		3.8	
2250		54.0	

† $d\sigma/d\Omega(90^\circ)$ in $\mu\text{b}/\text{sr}$.

‡ Deduced from $d\sigma/d\Omega(90^\circ)/d\sigma/d\Omega(125^\circ)$.