

$^{143}\text{Nd}(\text{d,t})$ 1973Fo13

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli		NDS 112, 1949 (2011)	1-Jun-2010

E=17 MeV.

$J^\pi(^{143}\text{Nd})=7/2^-$.

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

 ^{142}Nd Levels

E(level)	J^π^\dagger	L	S	E(level)	J^π^\dagger	L	S	E(level)	J^π^\dagger	L	S
0.0	0^+			3411	5^-	2	0.13	3830	2^-	2	0.095
1576	2^+			3574	3^-	0+(2)	0.15+0.06	3867	4^-	0+(2)	0.53+0.18
3248	4^-	0+2	0.010+0.03	3596	5^-	2	0.05	3907	2^-	2	0.26
3295	4^-	0+2	0.12+0.60	3704	$3^-,5^-$	0,2	0.13,0.46				
3362	3^-	0+2	0.31+0.49	3779	3^-	0+2	0.015+0.03				

† Assumed in calculations of S.