^{144}Nd(α,^{3}He)   1975Hi03

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 110, 507 (2009)	1-Oct-2008

E=66.2 MeV, FWHM=50 keV.
Measured: σ(E,θ=15°), DWBA analysis.

^{145}Nd Levels

E(level)‡	J$^{\pi\dagger}$	L$^{\dagger\#}$	C^{2}S$'$	Comments
0.0	7/2$^-$	3	2.9	
657	11/2$^-$	5		
747	9/2$^-$	5	2.7	
930	5/2$^-$	3	1.9	C^{2}S$'$: if L=(1) J=(3/2$^-$) S=0.48, if L=(5) J=(9/2$^-$) S=0.6.
1112	13/2$^+$	6	4.2	
1252	5/2$^-$	3	0.42	
1334	5/2$^-$	3	0.72	
1530	9/2$^-$	5	0.34	
1760	5/2$^-$	3	0.52	C^{2}S$'$: if L=(5) and J=(9/2$^-$) S=0.31.
1849	13/2$^+$	6	1.54	
1960	5/2$^-$	3	0.14	C^{2}S$'$: if L=(6) and J=(13/2$^+$) S=0.22.
2016	9/2$^-$	5	0.32	
2095	9/2$^-$	5	0.94	
2152	5/2$^-$,9/2$^-$	(3+5)	0.38, 0.31	
2220	3/2$^-$,9/2$^-$	(1+5)	0.44, 0.55	
2500	3/2$^-$,9/2$^-$	(1+5)	0.22, 0.68	

† Values assumed in analysis of data from 1975Hi03.
‡ From (d,p) (1975Hi03).
$^\#$ Levels with large L≥3 dominated the spectra.