

$^{144}\text{Nd}(\alpha, \alpha)$ 1988Lo04

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

$E(\alpha) = 24 \text{ MeV}$ (1988Lo04, 1976BjZY), 75 MeV (1978VaZS).

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

FWHM $\approx 30 \text{ keV}$ (1988Lo04).

 ^{143}Nd Levels

E(level)	L	S [†]	E(level)	L	S [†]	E(level)	L	S [†]	E(level)	L	S [†]
0.0	3	57	1977 10	(5)	132	2809 10		15	3310 10	(5)	31
1221 10	6	54	2083 10	(5)	12	2905 10	(2)	51	3392 10		17
1394 10	5	17	2183 10	(5)	67	2953 10	(2)	53	3624 10		45
1421 10		27	2237 10	(5)	236	3008 10		15	3703 10		84
1550 10	(2)	75	2398 10	(5)	24	3058 10		16	3744 10		103
1594 10		12	2567 10		14	3168 10	(5)	55			
1757 10		11	2737 10		11	3225 10	(5)	92			

[†] $d\sigma/d\Omega(\text{max})$ in $\mu\text{b/sr}$, $\Delta(d\sigma/d\Omega) \approx 20\%$ (1988Lo04).