Coulomb excitation

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 93, 599 (2001)	1-Dec-2000

^{144}Nd(x,x′).
x=α 1988Ah01, 1986Sc30, 1960Na13.
x=^{16}O 1980FaZW, 1971Cr01, 1967BuZX, 1966Ec02.
x=^{14}N 1960Le07.
x=^{32}S 1987Be08.
x=α,^{12}C,^{16}O 1989Sp07.
x=^{nat}Si 1999BeZR in inverse kinematics.
See the ^{144}Nd(e,e′),(p,p′),(d,d′) for additional information on Coulomb excitation.

^{144}Nd Levels

E(level)†	J$^{\pi}$†	Comments
0	0^+	
696.561 *10*	2^+	B(E2)=0.58 *1*, from 1988Ah01. Other values: B(E2)=0.58 *2* (1986Sc30), 0.56 *6* (1980FaZW), 0.510 *16* (1971Cr01), 0.48 *8* (1967BuZX), 0.44 *5* (1966Ec02), 0.44 *33* (1960Na13), 0.23 *5* (1960Le07). g=0.173 *14*, weighted average of 0.189 *21* (1999BeZR), 0.16 *2* (1990St18), 0.166 *41* (1987Be08).
1510.871 *21*	3^-	B(E3)=0.263 *10* (1989Sp07).

† Adopted value.