

$^{150}\text{Nd}(e,e')$ 1993Sa06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni		NDS 114, 435 (2013)	1-Apr-2013

E=112-450 MeV, momentum transfer 0.5 to 2.8 fm⁻¹. FWHM=12 keV at 112 MeV to 30 keV at 450 MeV.
Determined B(EL) for natural parity states.

 ^{150}Nd Levels

E(level)	J ^π	B(EL)	E(level)	J ^π	B(EL)	E(level)	J ^π	B(EL)
130 5	2 ⁺	2.82 4	1250			1645 6	4 ⁺	3.1×10 ⁻³ 4
380 5	4 ⁺	1.44×10 ⁻¹ 11	1310	(3,4)		1685	3 ⁻	
719 7	6 ⁺	9.5×10 ⁻³ 3	1350 9	4 ⁺	3.5×10 ⁻³ 7	1737		
850 6	1 ⁻	0.12×10 ⁻² † 27	1432 8	4 ⁺		1800		
932 7	3 ⁻	1.94×10 ⁻¹ 18	1482 6	3 ⁻	2.99×10 ⁻² 30	1860 9	3 ⁻	1.4×10 ⁻² 4
1059 5	2 ⁺	6.8×10 ⁻² 5	1514	3 ⁻		1886	4 ⁺	
1129 5	5 ⁻	1.6×10 ⁻² 6	1565	3 ⁻		1904	4 ⁺	4×10 ⁻³
1189 10	≤2		1578 10	3 ⁻	1.7×10 ⁻² 5	1985 10	3 ⁻	3×10 ⁻³

† Not resolved from 850 (2⁺) state. Value derived assuming negligible contribution due to 2⁺ state.