

$^{172}\text{Yb}(t,p)$ E=15 MeV 1977Ga01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, Huo Junde		NDS 87, 15 (1999)	1-Nov-1998

Target:>95% enriched ^{172}Yb . Measured angular distributions of scattered protons at $\theta=5.5^\circ$, and from 12.5° to 65° in steps of 7.5° .

 ^{174}Yb Levels

E(level)	J^π^\dagger	L	E(level)	J^π^\dagger	L	E(level)	J^π^\dagger	L	E(level)
0.0 [‡]	0 ⁺	0	$\approx 1318^\#$			1565 5	(2 ⁺)	(2)	$\approx 1885^\#$
254 [‡]	2	4 ⁺	1387 5			1718 5			1965 10
522 10			1494 5	0 ⁺	0	1812 5			2064 5
$\approx 890^\#$			$\approx 1518^\#$			1855 5			2099 10

[†] Spins are assigned on the basis of L transfers. Angular momentum transfers are determined by comparison of experimental angular distributions with theoretical DWBA calculations. L=0 angular distributions in general agree better than L=2 or 4 with calculated DWBA values.

[‡] $K^\pi=0^+$ g.s. rotational band member.

[#] Observed at one or two angles only.