

$^{174}\text{Yb}(\text{pol p,p}), (\text{pol p,p}')$ 1984Ic01

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

Target: 96.68% enriched ^{174}Yb . $E(p)=65$ MeV. Measured cross sections and analyzing powers of scattered protons for $\theta=11^\circ$ to 70° . Detector: high-resolution magnetic spectrometer, FWHM=20-26 keV. Deduced deformation parameters.

 ^{174}Yb Levels

E(level)	J^π [†]
0.0 [‡]	0 ⁺
76 [‡]	2 ⁺
253 [‡]	4 ⁺
526 [‡]	(6 ⁺)

[†] Based on a comparison of experimental cross sections and analyzing powers with theoretical values calculated with the coupled-channel method.

[‡] g.s. rotational band.