^{171}Yb(p,t) 1973Oo01

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 109, 2033 (2008)	15-Jun-2008

Target $J^{\pi}=1/2^{-}$.

E(p)=19 MeV; Yb metal targets enriched to 96.0% in ^{171}Yb; measured E(level) (mag spect with nuclear emulsions and position sensitive detectors; FWHM=10-12 keV), angular distributions, absolute differential cross sections (^{176}Yb(p,p) data used for spectrometer calibration).

^{169}Yb Levels

E(level)	L†	E(level)	L†	E(level)	L†	E(level)
27 *5*	0	570 *5*		1463 *10*		1943 *7*
71 *5*		659 *5*		1479 *5*		1971 *7*
87 *5*	2	750 *5*		1513 *10*	0	1997 *7*
99 *5*	2	808 *5*		1528 *5*		2053 *12*
194 *7*		1033 *5*		1582 *5*	(0)	2129 *12*
245 *5*	(4)	1108 *5*	2	1621 *5*		2286 *12*
268 *5*	4	1169 *5*		1714 *5*		
484 *10*		1350‡ *5*		1740‡ *5*	(0)	
516 *5*		1426 *5*		1785‡ *5*		

† DWBA analysis of angular distributions.

‡ Doublet (broader than normal peak).