
 $^{168}\text{Yb}(\text{d,d}') \quad \text{1967Bu21}$

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111, 1807 (2010)	15-Jun-2010

Others: [1966El07](#).

[1967Bu21](#): ED=12 MeV; $\theta=85^\circ, 125^\circ$; measured E(level) (mag spect), differential cross sections.

 ^{168}Yb Levels

E(level)	J^π [†]	E(level)	J^π [†]	E(level)	J^π [†]	E(level)
0.0 [#]	0 ⁺	1150 ^{&} 6	0 ⁺	1475 [‡] 6	3 ⁻	1969 6
87 [#] 6	2 ⁺	1167 [@] 6	4 ⁺	1547 6		1997 6
287 [#] 6	4 ⁺	1230 ^{&} 6	2 ⁺	1595 [‡] 6	3 ⁻	2058 6
582 [#] 6	6 ⁺	1387 ^{&} 6	4 ⁺	1725 6		2122 6
981 [@] 6	2 ⁺	1433 6		1860 6		

[†] From relative cross sections ($85^\circ/125^\circ$) (authors' values). See ^{168}Yb Adopted Levels for evaluator's assignments.

[‡] Octupole vibrational state.

[#] Band(A): $K^\pi=0^+$ g.s. band.

[@] Band(B): $K^\pi=2^+$ γ -vibration band.

[&] Band(C): $K^\pi=0^+$ β^- -vibration band.

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**Band(C): $K^\pi=0^+$
 β^- vibration band**

$4^+ \quad 1387$

**Band(B): $K^\pi=2^+$
 γ -vibration band**

$2^+ \quad 1230$

$4^+ \quad 1167$

$0^+ \quad 1150$

**Band(A): $K^\pi=0^+$ g.s.
band**

$2^+ \quad 981$

$6^+ \quad 582$

$4^+ \quad 287$

$2^+ \quad 87$

$0^+ \quad 0.0$

$^{168}_{70}\text{Yb}_{98}$