

$^{176}\text{Yb}(^{28}\text{Si},\text{F}\gamma)$ 2000Bu06

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

E= 145 MeV.

Measured: γ , $\gamma\gamma$, $\gamma(\theta)$, EUROGAM2 array. ^{113}Cd Levels

E(level) [†]	J ^π	Comments
0.0	1/2 ⁺	
263.0	11/2 ⁻	Additional information 1.
814.60 [‡] 20	15/2 ⁻	
1656.6 [‡] 3	(19/2 ⁻)	
2324.5 [#] 4	(21/2 ⁺)	
2538.3 [@] 4	(19/2 ⁺)	
2613.4 [‡] 4	(23/2 ⁻)	
2757.8 [#] 4	(25/2 ⁺)	
2962.6 [@] 4	(23/2 ⁺)	
3448.9 [‡] 4	(27/2 ⁻)	
3473.9 [#] 5	(29/2 ⁺)	
4201.5 [‡] 5	(31/2 ⁻)	

[†] From least-squares fit to E γ 's.[‡] Band(A): 11/2⁻ band.[#] Band(B): band based on 23/2⁻.[@] Band(C): band 3. $\gamma(^{113}\text{Cd})$

E γ [†]	I γ [†]	E _i (level)	J _i ^π	E _f	J _f ^π	
424.3	2	100	2962.6	(23/2 ⁺)	2538.3	(19/2 ⁺)
433.3	2	100	2757.8	(25/2 ⁺)	2324.5	(21/2 ⁺)
551.6	2	100	814.60	15/2 ⁻	263.0	11/2 ⁻
667.9	2	100	2324.5	(21/2 ⁺)	1656.6	(19/2 ⁻)
716.1	2	100	3473.9	(29/2 ⁺)	2757.8	(25/2 ⁺)
752.6	2	100	4201.5	(31/2 ⁻)	3448.9	(27/2 ⁻)
835.5	2	100	3448.9	(27/2 ⁻)	2613.4	(23/2 ⁻)
842.0	2	100	1656.6	(19/2 ⁻)	814.60	15/2 ⁻
881.7	2	100	2538.3	(19/2 ⁺)	1656.6	(19/2 ⁻)
956.8	2	100	2613.4	(23/2 ⁻)	1656.6	(19/2 ⁻)




[†] $\Delta E\gamma$ assumed to be 0.2 keV by evaluator no I γ given in the paper.

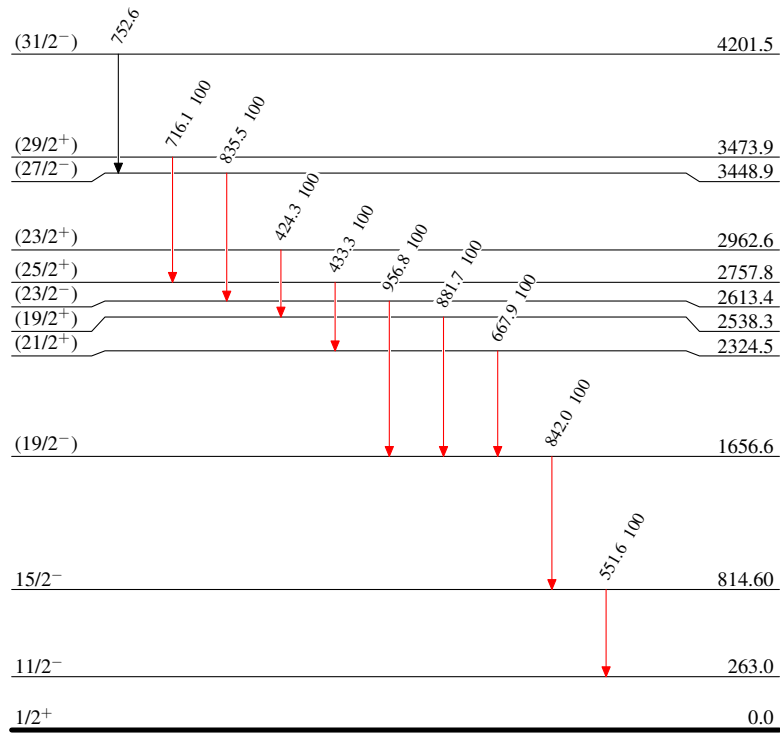
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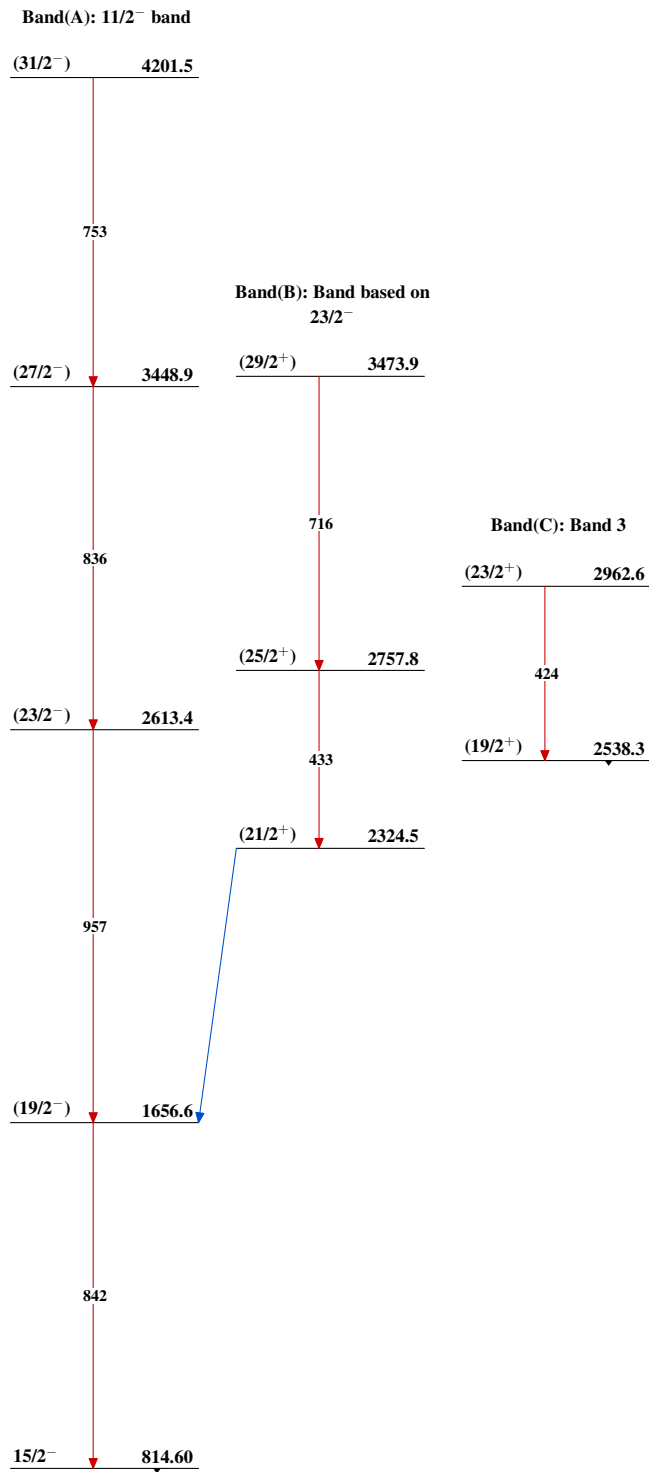
Level Scheme

Intensities: Type not specified

Legend

-  $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
 $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
 $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

 $^{113}_{48}\text{Cd}_{65}$

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