^{196}Pt(d,t) 1983Ve02,1978Be09,1976Ya07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 121, 395 (2014)	1-Mar-2014

1983Ve02: multi-J supersymmetry model analysis; comparison to comparison to experimental results.
1978Be09: E=26 MeV; FWHM=16 keV; measured σ(E(t),θ); DWBA analysis.
1976Ya07: E=15 MeV; FWHM=13-17 keV; measured σ(E(t),θ); DWBA analysis.
Other: 1965Mu05 (E=15 MeV).

^{195}Pt Levels

For the multi-J supersymmetry model and S calculations see 1983Ve02.
All data are from 1976Ya07, except as noted.

E(level)	J^{π}[#]	L[@]	C^2S[&]	Comments
0.0[†e]	1/2$^-$	1	0.30	
99.1[†f] *3*	3/2$^-$	1	0.36	
129.9[†g] *4*	5/2$^-$	3	0.78	
199.7[†h] *7*	3/2$^-$	1	0.06	
212.2[†e] *6*	3/2$^-$	1	0.10	
238[†e] *1*	5/2$^-$	3	0.15	
259.4[†i] *7*	13/2$^+$	6	1.58	
431[†i] *1*		(4)	0.08[d]	J^{π}: 11/2$^+$ from ^{195}Ir decay.
453[†g] *2*		(3)	0.02[b]	L: doublet E(levels): 449.7+455.2.
508.1[h] *5*		3	0.29[b]	
612.6[f] *5*		3	0.22[c]	
663 *2*				
694[e] *1*		(3)	0.05[c]	
738.9 *6*		1	0.05[a]	
765.8[h] *9*		3	0.07[c]	
793 *2*				
816[e] *1*		(5)		
875 *1*				
915 *1*				
927.7 *8*			0.04	L: (1-3).
971.3 *8*		3	0.13	
1049.3 *7*				
1098 *1*		(1)	0.13	
1156 *2*		(3,4)		
1182[‡] *5*		(3)	0.22[b]	

[†] Seen also in 1978Be09.
[‡] Seen only in 1978Be09.
[#] From Adopted Levels.
[@] From σ(E(t),θ) DWBA fits.
[&] From σ(E(t),θ) DWBA calculations.
[a] Assuming J=3/2$^-$.
[b] Assuming J=5/2$^-$.
[c] Assuming J=7/2$^-$.
[d] Assuming J=9/2$^+$.

Continued on next page (footnotes at end of table)

^{196}Pt(d,t) 1983Ve02,1978Be09,1976Ya07 (continued)

^{195}Pt Levels (continued)

[e] Band(A): $K^{\pi}=1/2^{-}$ band. configuration=$1/2^{-}[530]$. Band members: $1/2^{-}$ to $9/2^{-}$.
[f] Band(B): $K^{\pi}=3/2^{-}$ band. configuration=$3/2^{-}[532]$. Band members: $3/2^{-}$ to $9/2^{-}$. Other E(levels) are assigned at 389(5/2),931(9/2) from ^{195}Ir decay (3.8 h).
[g] Band(C): $K^{\pi}=5/2^{-}$ band. configuration=$5/2^{-}[532]$. Band members: $5/2^{-}$ to $9/2^{-}$. J=9/2 state at 563 is from ^{195}Ir decay.
[h] Band(D): $K^{\pi}=3/2^{-}$ band. configuration=$3/2^{-}[541]$?. Band members: $3/2^{-}$ to $7/2^{-}$.
[i] Band(E): $K^{\pi}=1/2^{+}$ decoupled band. configuration=$1/2^{+}[600]$. Band members: $13/2^{+}$ to $9/2^{+}$.

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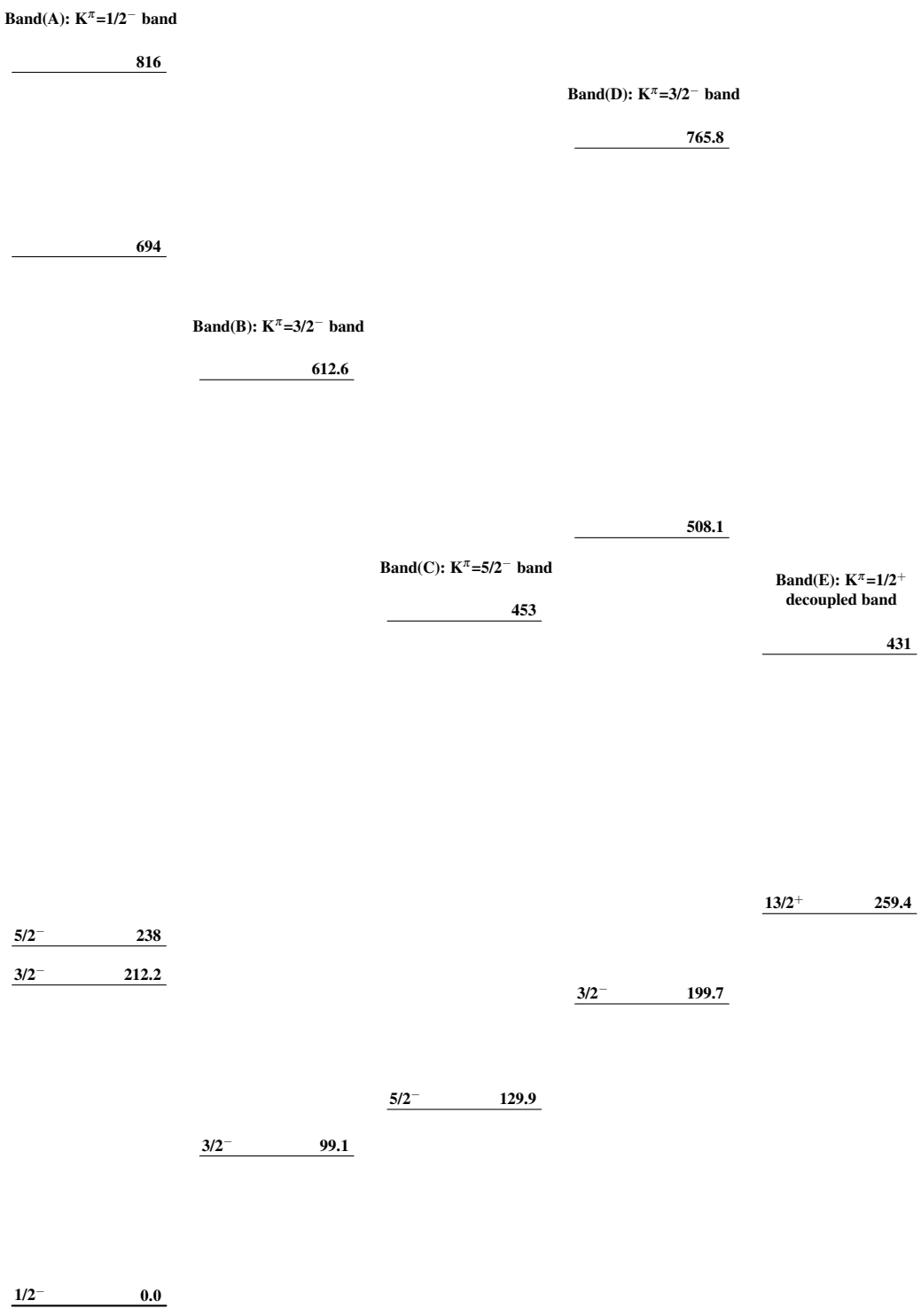

$^{195}_{78}Pt_{117}$