

¹³³Cs(d,p) 1987Bo24,1980LeZQ

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	A. A. Sonzogni	NDS 103, 1 (2004)	31-Jul-2004

E=12 MeV; DWBA calculation. J^π(¹³³Cs)=7/2⁺.

¹³⁴Cs Levels

E(level)	J ^π †	L‡	C ² S#	Comments
0.0	4 ⁺	2	0.53 3	
11.21 7	5 ⁺	2	0.61 4	
60.07 6	(3) ⁺	2	0.59 4	
138.56 14	8 ⁻	5	0.26 2	
173.84 14	(2,3) ⁺	2	0.22 4	
189.94 25	(3) ⁺	0	0.086 8	
193.65 26	4 ⁻			
210.1 4	(4,5) ⁺	2	0.039 4	
234.35 6	(3) ⁺	0	0.128 7	
256.95 19	6 ⁻	5@	0.187 19	
267.57 23	4 ⁻ ,5 ⁻	5@	0.144 17	
344.3 5	7 ⁻	5	0.058 18	
377.12 4	4 ⁺	0	0.304 16	
435	6 ⁻ ,7 ⁻	5	≤0.04	C ² S=0.21 7 (1980LeZQ).
453.8 5	3 ⁺ ,4 ⁺	0	0.0082 23	
483.6 3	(3,4) ⁻			
502.78 15	(3,4) ⁺	2	0.0267 21	L=0 for 501 level (C ² S=0.009 4) in 1980LeZQ; also compatible with L=2 (1987Bo24).
519.01 21	(3,4) ⁺			
540.1 7	(3,4,5) ⁺			
579.1 4	(2,3) ⁺			
584.1 4	(2,3) ⁺			
622.0 10	(2,3,4,5) ⁺			
624.0 10	(5) ⁻	5	0.10 5	
643.8 15	4 ⁻			
653.3 15				
665.0 15				
676 3				
688.11 20	(4) ⁺	2	0.051 5	L=5 for 691 level (C ² S=0.50 16) in 1980LeZQ; also compatible with L=2 (1987Bo24).
693.1 4	(2,3,4) ⁺			
701.2 5	3 ⁻ ,4 ⁻			
714.9 8	(2,3) ⁻			
720.4 4	⁺	2	0.014 5	
741.30 19	(3 ⁺ ,4)			
752.80 22	4 ⁻			
783.8 5	(≥6 ⁻)	5	0.145 29	
801.5 4	(1 ⁺ ,2,3,4 ⁺)			
819.2 3				
831.72 23	4 ⁻ ,5 ⁻	5	0.149 21	
836.3 9	(2 ⁺ ,3,4,5 ⁺)			
850.8 4				
880.7 20	(3 ⁺ ,4 ⁺)			
911	3 ⁺ ,4 ⁺	0	0.038 12	C ² S: from 1980LeZQ.
936	(4) ⁻	5	0.24 10	C ² S: from 1980LeZQ.

† From Adopted Levels.

$^{133}\text{Cs}(\text{d,p})$ [1987Bo24,1980LeZQ](#) (continued)

^{134}Cs Levels (continued)

‡ From [1980LeZQ](#).

From [1987Bo24](#).

@ Unresolved doublet, E(level)=263 ([1980LeZQ](#)).