

$^{133}\text{Cs}(d,^3\text{He})$ 1996Ot02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. A. Rodionov and S. Sakharov, Balraj Singh		NDS 104, 497 (2005)	10-Feb-2005

1996Ot02: E=27, 28 MeV. The ^3He spectra measured at 30° and 50° with Q3D magnetic spectrograph, CsI target; FWHM=7-10 keV.

 ^{132}Xe Levels

The following weak groups seen by 1996Ot02 are not included since these are possibly due to ^{126}Te (1996Ot02): 2285.7, 2781.0, 2924.7, 3005.2.

Level	Relative Intensities	
	At 30°	At 50°
0.0	121 9	80 6
667.7	42 6	24 4
1297.9	24 3	12.9 22
1440.32	101 5	71 5
1803.9	7.0 14	10.3 21
1854.9	3.9 15	
1963.2	19.3 20	15 3
1985.4	24 4	25 4
2068.1	3.1 12	2.8 20
2109.6	8.5 16	7 4
2167.3	65 11	70 7
2186.9	20 3	49 5
2303.89	84 15	106 7
2350.2	58 21	50 5
2356.6	12.6 16	
2394.2	16.2 16	20 4
2423.9	11.0 14	10 3
2589.4	25 3	39 4
2611.7	11.6 22	11 3
2667.5	30 3	
2716.7	14 3	
2753.9	10.8 22	
2838.4	27 3	
2890.9	4.8 9	
2959.2	5.1 10	
3156.5	6.4 13	

E(level) [†]	J^π [‡]	Comments
0.0	0 ⁺	
667.7 9	2 ⁺	
1297.9 8	2 ⁺	
1440.32 22	4 ⁺	
1803.9 8		
1854.9? 23		
1963.2 4		
1985.4 4		
2068.1? 17		E(level): from 30° spectra; 2062 3 At 50° .
2109.6 8		
2167.3 4		

Continued on next page (footnotes at end of table)

$^{133}\text{Cs}(\text{d}, ^3\text{He})$ 1996Ot02 (continued) ^{132}Xe Levels (continued)

E(level) [†]	Comments
2186.9 5	E(level): from 30° spectra; 2187.4 3 At 50° which is unresolved from 2045.2 group In ^{126}Te .
2303.89 21	
2350.2 4	
2356.6? 24	
2394.2 4	
2423.9 4	
2589.4 4	
2611.7# 8	E(level): from 30° spectra; 2615.1 16 In 50° data with uncertain assignment and unresolved from 2496.9 line In ^{126}Te . The line At 30° May Be unresolved from 2613.5 line In ^{132}Xe and 2479.8 line In ^{126}Te .
2667.5# 5	
2716.7# 12	E(level): May Be unresolved from 2670.0 line In ^{132}Xe and 2533.9 line In ^{126}Te .
2753.9# 8	
2838.4# 5	E(level): unresolved from 2588.9 line In ^{126}Te .
2890.9 12	
2959.2 11	
3156.5 14	

[†] Weighted averages from data At 30° and 50°. 1996Ot02 calibrated their spectra with adopted level energies from ENSDF database as in earlier $\alpha=132$ by 1992Se04.

[‡] From Adopted Levels.

Contaminated by peaks from other nuclides.