

**Adopted Levels, Gammas 1991Aj01**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	F. Ajzenberg-selove, J. H. Kelley and C. D. Nesaraja		NP A523,1 (1991)	23-Apr-1986

Q( $\beta^-$ )=13437.1 11; S(n)=4878.6 17; S(p)=15804.6 22; Q( $\alpha$ )=-10817.7 11 2012Wa38

Note: Current evaluation has used the following Q record 13437.2 11 4878.0 18 15803 15-10816.622 1997Au04.

Additional information 1.

<sup>13</sup>B Levels

Cross Reference (XREF) Flags

A	<sup>7</sup> Li( <sup>7</sup> Li,p)	D	<sup>13</sup> C( $\pi^-$ , $\gamma$ )
B	<sup>11</sup> B(t,p)	E	<sup>13</sup> C(d,2p)
C	<sup>13</sup> C( $\gamma$ , $\pi^+$ )	F	<sup>13</sup> C( <sup>7</sup> Li, <sup>7</sup> Be)

E(level)	J <sup><math>\pi</math></sup>	T <sub>1/2</sub>	XREF	Comments
0.0	3/2 <sup>-</sup>	17.33 ms 17	ABCDEF	% $\beta^-$ =100 $\mu$ =+3.1778 5 (1989Ra17); Q=0.037 4 (1989Ra17) T=3/2 T <sub>1/2</sub> : From 1971Wi07. Others: 17.6 ms 12 (1988Sa04), 16.7 ms 3 (1995ReZZ).
3482.8 45			B	
3534.6 31		>0.2 ps	ABCD	
3681.0 45			B D	
3712.6 45		<0.27 ps	AB	
4131 6		0.043 ps 35	AB	
4829 6			AB	
5024 <sup>†</sup> 6			AB	
5106 <sup>†</sup> 10		60 keV 10	B	
5388 <sup>†</sup> 6		10 keV 10	AB	
5557? <sup>†</sup> 7			A	
6167 <sup>†</sup> 6			AB	
6425 <sup>†</sup> 7		36 keV 5	ABCD	
6934 <sup>†</sup> 9		55 keV 15	AB	
7516? <sup>†</sup> 8			A D	
7859? <sup>†</sup> 20			A D	
8133 <sup>†</sup> 7		100 keV 15	AB	
8683 <sup>†</sup> 7		89 keV 20	AB	
9440 <sup>†</sup> 30		81 keV 25	B	
9500? <sup>†</sup>			F	T <sub>1/2</sub> : $\Gamma$ =broad.
10220 <sup>†</sup> 20		210 keV 20	B D	
10890 <sup>†</sup> 20			B	
11800? <sup>†</sup>			B	

<sup>†</sup> Decay mode not specified.

Adopted Levels, Gammas 1991Aj01 (continued) $\gamma(^{13}\text{B})$ 

$E_i(\text{level})$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$
3482.8	3482.6	100	0.0	$3/2^-$
3712.6	178.6	<10	3534.6	
	3713.5	100	0.0	$3/2^-$
4131	418.8	<14	3712.6	
	596.8	33 14	3534.6	
	4131.6	100 14	0.0	$3/2^-$

Adopted Levels, Gammas 1991Aj01Level Scheme

Intensities: Relative photon branching from each level

