

$^{153}\text{Yb}$        $Z = 70$        $N = 83$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 1227.366 (-0.153) MeV

Qbeta+ = 6.754 ( 0.153) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-4.098	(-0.156)			
153YB 1				0.000 (7/2-)	1 4.2 S 2
153YB 2				0.567 (9/2-)	2
153YB 3				1.202 (13/2+)	3 6 NS AP
153YB 4				1.459 (9/2-)	4
153YB 5				1.491 (11/2-)	5
153YB 6				1.763 (11/2+)	6
153YB 7				2.030 (13/2+)	7
153YB 8				2.137 (15/2+)	8
153YB 9				2.153 (15/2-)	9
153YB 10				2.247 (17/2+)	10
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153YB 11				2.481 (19/2-)	11
153YB 12				2.505 (19/2+)	12
153YB 13				2.527 (21/2+)	13
153YB 14				2.578 (23/2-)	14

S-p = 2.787 (-0.162)-----

S-n = 9.020 (-0.214)-----

S-2p = 3.530 (-0.154)-----

S-2n = 21.819 (-0.337)-----

S-alpha= -4.098 (-0.156)-----

S+p = 0.294 (-0.217)

S+n = -10.785 (-0.154)

S+2p = -1.629 (-0.346)

S+2n = -19.427 (-0.154)

S+alpha = 5.942 (-0.219)

gap p = 3.081 ( 0.271)

gap n = -1.765 ( 0.264)

gap 2p = 1.901 ( 0.378)

gap 2n = 2.392 ( 0.371)

gap alpha = 1.844 ( 0.269)