

$^{152}\text{Yb}$        $Z = 70$        $N = 82$       adopted link      ENSDF link

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

BE = 1218.346 ( 0.150) MeV

Qbeta+ = 5.450 ( 0.159) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.784 ( 0.150)	-----			
152YB 1	0.000	0+			1 3.03 S 6
152YB 2	1.531	2+			2
152YB 3				1.890 (3)-	3
152YB 4				2.203 (5)-	4
152YB 5				2.550 (7)-	5
152YB 6				2.690 (8)+	6
152YB 7				2.744 (10+)	7 30 US 1

S-p = 2.788 ( 0.151)-----

S-n = 12.799 ( 0.336)-----

S-2p = 3.017 ( 0.151)-----

S-2n = 23.596 ( 0.335)-----

S-alpha= -2.784 ( 0.150)-----

S+p = 0.606 ( 0.212)

S+n = -9.020 ( 0.214)

S+2p = -1.026 ( 0.342)

S+2n = -19.804 ( 0.151)

S+alpha = 6.026 ( 0.212)

gap p = 3.394 ( 0.260)

gap n = 3.780 ( 0.398)

gap 2p = 1.991 ( 0.374)

gap 2n = 3.792 ( 0.368)

gap alpha = 3.242 ( 0.260)