

^{247}Bk $Z = 97$ $N = 150$ adopted link ENSDF link

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

BE = 1852.238 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-5.890	(0.005)	-----		
247BK 1			0.000	3/2-	1 1380 Y 250
247BK 2				0.030 (5/2-)	2
247BK 3	0.041	7/2+			3
247BK 4				0.072 (7/2-)	4
247BK 5				0.083 (9/2)+	5
247BK 6				0.125 (9/2-)	6
247BK 7				0.137 (11/2+)	7
247BK 8				0.196 (13/2+)	8
247BK 9				0.265 (15/2+)	9
247BK 10				0.335 (5/2)+	10

247BK 11				0.378 (7/2+)	11
247BK 12				0.448 (5/2-)	12
247BK 13				0.487 (1/2+)	13
247BK 14				0.489 (7/2-)	14
247BK 15				0.518 (3/2+)	15
247BK 16				0.541 (9/2-)	16
247BK 17				0.587 (13/2+)	17
247BK 18				0.704 (1/2-)	18
247BK 19				0.743 (5/2-)	19
247BK 20				0.815 (7/2-)	20

247BK 21				0.828 (9/2-)	21
247BK 22				0.904 (9/2-)	22
247BK 23				0.983	23
247BK 24				1.149	24
247BK 25				1.166 (13/2+)	25

S-p = 4.416 (0.005)-----
S-n = 6.549 (0.060)-----
S-2p = 10.989 (0.006)-----
S-2n = 12.467 (0.005)-----
S-alpha= -5.890 (0.005)-----

S+p = -5.541 (0.007)
S+n = -5.430 (0.050)
S+2p = -8.788 (0.005)
S+2n = -11.786 (0.005)
S+alpha = 6.597 (0.007)

gap p = -1.124 (0.009)
gap n = 1.119 (0.078)
gap 2p = 2.201 (0.008)
gap 2n = 0.681 (0.008)
gap alpha = 0.707 (0.009)