

^{250}Bk $Z = 97$ $N = 153$ adopted link ENSDF link

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

BE = 1868.990 (0.003) MeV

Qbeta- = 1.782 (0.003) MeV

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

S-alpha=	-5.536	(0.000)	-----		
250BK 1			0.000	2-	1 3.212 H 5
250BK 2				0.034 (3-)	2
250BK 3				0.036 (4+)	3 29 US 1
250BK 4				0.078 (5+)	4
250BK 5				0.080 (4-)	5
250BK 6				0.086 (7+)	6 213 US 8
250BK 7				0.097 (5-)	7 38 NS 5
250BK 8				0.104 (1-)	8
250BK 9				0.115 (3+)	9
250BK 10				0.125 (2-)	10

250BK 11				0.130 (6+)	11
250BK 12				0.137 (5-)	12
250BK 13				0.146 (2-)	13
250BK 14				0.149 (4+)	14
250BK 15				0.156 (8+)	15
250BK 16				0.157 (3-)	16
250BK 17				0.167 (6-)	17
250BK 18				0.175 (1+)	18 42 NS 2
250BK 19				0.180 (3-)	19
250BK 20				0.190 (7+)	20

250BK 21				0.204 (4-)	21
250BK 22	0.212	2+			22
250BK 23				0.216 (0+)	23
250BK 24				0.237 (3+)	24
250BK 25				0.241 (9+)	25
250BK 26				0.248 (7-)	26
250BK 27				0.270 (4+)	27
250BK 28				0.298	28
250BK 29				0.316 (5+)	29
250BK 30				0.316 (5+)	30

250BK 31				0.325	31
250BK 32				0.333	32
250BK 33				0.341	33
250BK 34				0.370 (6+)	34
250BK 35				0.406 (6+)	35
250BK 36				0.413	36

250BK	37				0.471	37
250BK	38				0.526	38
250BK	39				0.527	39
250BK	40				0.552	40

250BK	41				0.566	41

S-p = 5.088 (0.004)-----
S-n = 4.966 (0.003)-----
S-2p = 12.214 (0.248)-----
S-2n = 11.322 (0.050)-----
S-alpha= -5.536 (0.000)-----

S+p = -6.106 (0.005)
S+n = -5.795 (0.011)
S+2p = -10.235 (0.050)
S+2n = -10.678 (0.252)
S+alpha = 6.617 (0.004)

gap p = -1.018 (0.006)
gap n = -0.830 (0.012)
gap 2p = 1.979 (0.253)
gap 2n = 0.644 (0.257)
gap alpha = 1.082 (0.004)