

^{251}Bk $Z = 97$ $N = 154$ adopted link ENSDF link

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

BE = 1874.785 (0.011) MeV

Qbeta- = 1.093 (0.011) MeV

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

S-alpha=	-5.764	(0.000)	-----		
251BK 1				0.000 (3/2-)	1 55.6 M 11
251BK 2				0.032 (5/2-)	2
251BK 3				0.036 (7/2+)	3 58 US 4
251BK 4				0.070 (9/2+)	4
251BK 5				0.124 (11/2+)	5
251BK 6				0.269 (5/2+)	6
251BK 7				0.312 (1/2+)	7
251BK 8				0.422 (3/2-)	8
251BK 9				0.438 (1/2-)	9
251BK 10				0.543 (3/2-)	10

251BK 11				0.562 (3/2-)	11
251BK 12				0.978 (1/2-,3/2)	12

S-p = 5.051 (0.015)-----
 S-n = 5.795 (0.011)-----
 S-2p = 12.514 (0.249)-----
 S-2n = 10.761 (0.011)-----
 S-alpha= -5.764 (0.000)-----

S+p = -6.482 (0.011)
 S+n = -4.883 (0.252)
 S+2p = -10.795 (0.011)
 S+2n = -10.318 (0.253)
 S+alpha = 6.436 (0.015)

gap p = -1.432 (0.018)
 gap n = 0.912 (0.252)
 gap 2p = 1.719 (0.249)
 gap 2n = 0.443 (0.253)
 gap alpha = 0.673 (0.015)