

^{239}Bk $Z = 97$ $N = 142$ adopted link ENSDF link

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

BE = 1798.953 (-0.239) MeV

Qbeta+ = 3.057 (0.282) MeV

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

S-alpha=	-7.155	(-0.245)			
239BK	1			0.000 (3/2-,7/2+)	1
239BK	2			0.047 (7/2+,3/2-)	2
239BK	3			0.197	3

S-p = 2.530 (-0.239)-----
 S-n = 8.003 (-0.337)-----
 S-2p = 6.996 (-0.239)-----
 S-2n = 15.054 (-0.337)-----
 S-alpha= -7.155 (-0.245)-----

S+p = -3.505 (-0.240)
 S+n = -6.567 (-0.339)
 S+2p = -4.932 (-0.339)
 S+2n = -14.331 (-0.339)
 S+alpha = 8.151 (-0.341)

gap p = -0.975 (0.339)
 gap n = 1.436 (0.478)
 gap 2p = 2.064 (0.415)
 gap 2n = 0.723 (0.478)
 gap alpha = 0.996 (0.420)