

^{242}Bk $Z = 97$ $N = 145$ adopted link ENSDF link

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

BE = 1819.598 (-0.242) MeV

Qbeta+ = 2.970 (0.242) MeV

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

S-alpha=	-6.927	(-0.249)	-----		
242BK 1				0.000	1 7.0 M 13
242BK 2				0.250	2

S-p = 3.218 (-0.242)-----
 S-n = 6.314 (-0.342)-----
 S-2p = 8.315 (-0.242)-----
 S-2n = 14.078 (-0.341)-----
 S-alpha= -6.927 (-0.249)-----

S+p = -4.117 (-0.343)
 S+n = -7.155 (-0.242)
 S+2p = -6.254 (-0.344)
 S+2n = -13.202 (-0.242)
 S+alpha = 7.621 (-0.258)

gap p = -0.899 (0.420)
 gap n = -0.841 (0.419)
 gap 2p = 2.061 (0.421)
 gap 2n = 0.876 (0.418)
 gap alpha = 0.694 (0.359)