

^{109}Nb $Z = 41$ $N = 68$ adopted link ENSDF link

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

BE = 904.387 (0.431) MeV

Qbeta- = 9.969 (0.431) MeV

	Energy T	J+	J-	J-other	T1/2
109NB	1			0.000 (5/2+)	1 108 MS 5
109NB	2			0.117 (7/2+)	2
109NB	3			0.312	3 132 NS 18

S-p = 13.063 (0.610)-----
 S-n = 5.216 (0.431)-----
 S-2p = 29.341 (0.687)-----
 S-2n = 9.109 (0.431)-----
 S-alpha= 8.582 (0.602)-----

S+p = -15.135 (0.431)
 S+n = -3.691 (0.943)
 S+2p = -26.913 (0.431)
 S+2n = -8.366 (0.545)
 S+alpha = -8.547 (0.431)

gap p = -2.072 (0.747)
 gap n = 1.525 (1.036)
 gap 2p = 2.428 (0.811)
 gap 2n = 0.743 (0.694)
 gap alpha = 0.035 (0.740)