

${}^9\text{B}$ $Z = 5$ $N = 4$ adopted link ENSDF link

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

BE = 56.314 (0.001) MeV

Qbeta+ = 1.068 (0.001) MeV

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

S-p	= -0.186	(0.001)	-----		
9B 1			0.000 1/2 3/2-		1 0.54 KEV 21
9B 2				1.500	2 1.2 MEV AP

S-alpha	= 1.687	(0.050)	-----		
9B 3			2.345 1/2 5/2-		3 81 KEV 5
9B 4	2.751 1/2 5/2+				4 614 KEV 37
9B 5			2.780 1/2-		5 3.13 MEV 20
9B 6				4.800	6 1.2 MEV 2
9B 7			6.985 1/2 7/2-		7 2.18 MEV 15

S-p = -0.186 (0.001)-----
 S-n = 18.576 (0.001)-----
 S-2p = 17.069 (0.001)-----
 S-2n = 31.403 (0.025)-----
 S-alpha= 1.687 (0.050)-----

S+p = -4.007 (0.001)
 S+n = -8.437 (0.001)
 S+2p = -2.629 (0.005)
 S+2n = -19.891 (0.001)
 S+alpha = -9.496 (0.001)

gap p = -4.193 (0.001)
 gap n = 10.139 (0.002)
 gap 2p = 14.440 (0.005)
 gap 2n = 11.511 (0.025)
 gap alpha = -7.809 (0.050)