

^{12}Be $Z = 4$ $N = 8$ adopted link ENSDF link

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

BE = 68.649 (0.002) MeV

Qbeta- = 11.708 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2	
12BE 1	0.000 2	0+			1 21.46 MS	5
12BE 2	2.109 2	2+			2 0.957 PS	19
12BE 3	2.251	0+			3 230 NS	8
12BE 4			2.715	1-	4 1.3 FS	4
S-n	= 3.171 (0.002)					
S-2n	= 3.672 (0.002)					
12BE 5				4.412 (2-)	5 634 KEV	60
12BE 6				4.580 (2+,3-)	6 101 KEV	17
12BE 7				5.724 (4+,2+,3-)	7 85 KEV	15
12BE 8				6.275	8	
12BE 9				7.200 (2+)	9	
12BE 10				8.230	10	
12BE 11				8.600	11 500 KEV	LT
S-alpha=	8.957 (0.002)					
12BE 12				9.300	12 2.0 MEV	3
12BE 13				10.000	13 1.5 MEV	2

S-p = 22.939 (0.002)

S-n = 3.171 (0.002)

S-2p = 38.697 (0.093)

S-2n = 3.672 (0.002)

S-alpha= 8.957 (0.002)

S+p = -15.805 (0.002)

S+n = 0.510 (0.010)

S+2p = -36.636 (0.002)

S+2n = -1.266 (0.132)

S+alpha = -13.809 (0.004)

gap p = 7.135 (0.003)

gap n = 3.681 (0.011)

gap 2p = 2.062 (0.093)

gap 2n = 2.406 (0.132)

gap alpha = -4.852 (0.004)