

${}^7\text{Be}$        $Z = 4$        $N = 3$       adopted link      ENSDF link

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

BE = 37.601 ( 0.000) MeV

Qbeta+ = 0.862 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
7BE 1			0.000 1/2 3/2-		1 53.22 D 6
7BE 2			0.429 1/2 1/2-		2 133 FS 17
S-alpha=	1.587 ( 0.120)				
7BE 3			4.570 1/2 7/2-		3 175 KEV 7
S-p =	5.607 ( 0.000)				
7BE 4			6.730 1/2 5/2-		4 1.2 MEV
7BE 5			7.210 1/2 5/2-		5 0.40 MEV 5
7BE 6			9.270 1/2 7/2-		6
7BE 7			9.900 1/2 3/2-		7 1.8 MEV AP

S-p =	5.607 ( 0.000)				
S-n =	10.677 ( 0.005)				
S-2p =	10.040 ( 0.020)				
S-2n =	37.511 ( 2.005)				
S-alpha=	1.587 ( 0.120)				

S+p = -0.136 ( 0.001)  
 S+n = -18.899 ( 0.000)  
 S+2p = -1.436 ( 0.002)  
 S+2n = -20.563 ( 0.000)  
 S+alpha = -7.545 ( 0.000)

gap p = 5.470 ( 0.001)  
 gap n = -8.221 ( 0.005)  
 gap 2p = 8.604 ( 0.020)  
 gap 2n = 16.948 ( 2.005)  
 gap alpha = -5.957 ( 0.120)