

$^{51}\text{Sc}$        $Z = 21$        $N = 30$       adopted link      ENSDF link

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

BE = 438.458 ( 0.003) MeV

Qbeta- = 6.483 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
51SC	1			0.000 (7/2)-	1 12.4 S 1
51SC	2			0.862 (3/2-)	2
51SC	3			1.064 (11/2)-	3 19 PS 5
51SC	4			1.167 (3/2,5/2,7/2+)	4
51SC	5			1.394 (3/2,5/2)	5
51SC	6			1.715	6
51SC	7			2.313	7
51SC	8			2.347 (1/2-)	8
51SC	9			2.709 (3/2-)	9
51SC	10			2.887	10
51SC	11			2.996	11
51SC	12			3.039 (3/2-,5/2-)	12
51SC	13			3.069	13
51SC	14			3.195 (3/2-,5/2-)	14
51SC	15			3.391 (1/2,3/2,5/2)	15
51SC	16			3.772 (3/2-,5/2-)	16
51SC	17			3.881 (15/2-)	17
51SC	18			4.826 (15/2-)	18
51SC	19			5.540 (17/2+)	19
51SC	20			6.184 (19/2+)	20

S-p = 10.950 ( 0.003)-----  
 S-n = 6.785 ( 0.004)-----  
 S-2p = 28.217 ( 0.003)-----  
 S-2n = 12.831 ( 0.003)-----  
 S-alpha= 9.963 ( 0.003)-----

S+p = -13.516 ( 0.004)  
 S+n = -5.345 ( 0.004)  
 S+2p = -23.179 ( 0.004)  
 S+2n = -11.662 ( 0.018)  
 S+alpha = -8.300 ( 0.027)

gap p = -2.566 ( 0.005)  
 gap n = 1.440 ( 0.005)  
 gap 2p = 5.038 ( 0.005)  
 gap 2n = 1.169 ( 0.018)

gap alpha = 1.664 ( 0.027)