

$^{51}\text{Sc}$        $Z = 21$        $N = 30$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 438.437 ( 0.020) MeV

Qbeta- = 6.504 ( 0.020) 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 = 10.928 ( 0.020)-----  
 S-n = 6.753 ( 0.025)-----  
 S-2p = 28.195 ( 0.020)-----  
 S-2n = 12.810 ( 0.020)-----  
 S-alpha= 9.942 ( 0.020)-----

S+p = -13.530 ( 0.021)  
 S+n = -5.286 ( 0.084)  
 S+2p = -23.200 ( 0.020)  
 S+2n = -11.821 ( 0.096)  
 S+alpha = -8.341 ( 0.097)

gap p = -2.602 ( 0.029)  
 gap n = 1.467 ( 0.088)  
 gap 2p = 4.995 ( 0.028)  
 gap 2n = 0.989 ( 0.098)

gap alpha = 1.601 ( 0.099)