

^{50}Sc $Z = 21$ $N = 29$ adopted link ENSDF link

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

BE = 431.674 (0.003) MeV

Qbeta- = 6.895 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
50SC 1	0.000	5+			1 102.5 S 5
50SC 2	0.257	2+			2 0.35 S 4
50SC 3	0.328	3+			3 600 PS LT
50SC 4				0.757 (4)+	4
50SC 5	1.848	1+			5 2 NS LT
50SC 6				2.225 2+,3+	6
50SC 7				2.326 (3)+	7
50SC 8				2.527 (1)	8
50SC 9				2.614 (1+)	9
50SC 10				3.028	10
50SC 11				3.089 (0)+	11
50SC 12				3.259 1+,2+,3+	12
50SC 13				3.287 1+,2+,3+	13
50SC 14				3.355	14
50SC 15				3.385	15
50SC 16				3.500	16
50SC 17				3.556	17
50SC 18				3.611	18
50SC 19	3.681	1+			19
50SC 20				3.731	20
50SC 21	3.927	1+			21
50SC 22				3.950	22
50SC 23				4.135 1+,2+,3+	23
50SC 24				4.232 1+,2+,3+	24
50SC 25				4.311 1+,2+,3+	25
50SC 26				4.456 1+,2+,3+	26
50SC 27				4.530	27
50SC 28				4.590	28
50SC 29	4.638	1+			29
50SC 30				4.660	30
50SC 31				4.729	31
50SC 32				4.820 1+,2+,3+	32
50SC 33	4.876	1+			33
50SC 34	4.976	1+			34
50SC 35				5.072 1+,2+,3+	35
50SC 36				5.135	36
50SC 37				5.195	37

50SC 38				5.265		38
50SC 39				5.338	1+,2+,3+	39
50SC 40				5.430	1+,2+,3+	40

50SC 41				5.540		41
50SC 42				5.600	1+,2+,3+	42
50SC 43				5.699	(0+,1+)	43
50SC 44				5.810	(3+)	44
50SC 45				5.853	1+,2+,3+	45
50SC 46				6.014	3+,4+,5+	46
S-n	=	6.046	(0.003)	-----		
50SC 47				6.118	1+,2+,3+	47
50SC 48				6.285	1+,2+,3+	48
50SC 49				6.447		49
50SC 50				6.618		50

50SC 51				8.250		51

S-p	=	10.526	(0.003)	-----		
S-n	=	6.046	(0.003)	-----		
S-2p	=	26.831	(0.003)	-----		
S-2n	=	16.176	(0.006)	-----		
S-alpha	=	11.548	(0.003)	-----		

S+p	=	-12.485	(0.003)			
S+n	=	-6.785	(0.004)			
S+2p	=	-21.484	(0.003)			
S+2n	=	-12.129	(0.004)			
S+alpha	=	-7.786	(0.011)			

gap p	=	-1.959	(0.004)			
gap n	=	-0.739	(0.005)			
gap 2p	=	5.347	(0.004)			
gap 2n	=	4.046	(0.007)			
gap alpha	=	3.762	(0.012)			