

$^{40}\text{Sc}$        $Z = 21$        $N = 19$       adopted link      ENSDF link

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

BE = 326.947 ( 0.003) MeV

Qbeta+ = 14.323 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
40SC 1			0.000 1 4-		1 182.3 MS 7
40SC 2				0.034 1 (3-)	2
S-p =	0.530 ( 0.003)				
40SC 3				0.772 (2-)	3
40SC 4				0.893 (5-)	4
40SC 5				1.671 (1-&2-)	5
40SC 6				1.703	6
40SC 7				1.797 (3-)	7
40SC 8				1.871	8
40SC 9				1.933	9
40SC 10	2.276	1+			10
40SC 11				2.370 (4-)	11
40SC 12	2.746 1	1+			12
40SC 13	2.933	1+			13
40SC 14				3.030 (3-)	14
40SC 15	3.135	1+			15
40SC 16	3.221	1+			16
40SC 17	3.330	1+			17
40SC 18	3.409	1+			18
40SC 19				3.494	19
40SC 20	3.648	1+			20
40SC 21	3.780	1+			21
40SC 22				3.900 (1-,2-)	22
40SC 23	4.060	1+			23
40SC 24	4.129	1+			24
40SC 25	4.264	1+			25
40SC 26	4.359 2	0+			26
40SC 27	4.518	1+			27
40SC 28	4.649	1+			28
40SC 29	4.819	1+			29
40SC 30				4.895	30
40SC 31	5.014	1+			31
40SC 32	5.080	1+			32
40SC 33				5.221	33
40SC 34	5.354	1+			34
S-alpha=	5.531 ( 0.003)				
40SC 35	5.567	1+			35

40SC	36		5.702	1+						36	
40SC	37		5.879	1+						37	
40SC	38		6.005	1+						38	
40SC	39		6.120	1+						39	
S-2p	=		6.301	(	0.003)	-----					
40SC	40		6.419	1+						40	
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40SC	41							7.500	1	(6-)	41

S-p	=		0.530	(	0.003)	-----				
S-n	=		14.422	(	0.024)	-----				
S-2p	=		6.301	(	0.003)	-----				
S-2n	=		32.409	(	0.190)	-----				
S-alpha	=		5.531	(	0.003)	-----				

S+p	=		-2.463	(	0.028)
S+n	=		-16.190	(	0.003)
S+2p	=		-1.661	(	0.210)
S+2n	=		-27.740	(	0.003)
S+alpha	=		-5.710	(	0.008)

gap p	=		-1.933	(	0.028)
gap n	=		-1.768	(	0.024)
gap 2p	=		4.639	(	0.210)
gap 2n	=		4.669	(	0.190)
gap alpha	=		-0.179	(	0.008)