

^{41}Sc $Z = 21$ $N = 20$ adopted link ENSDF link

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

BE = 343.137 (0.000) MeV

Qbeta+ = 6.496 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
41SC 1	|	|	0.000	7/2-|	1 596.3 MS 17
S-p =	1.085 (0.000)				
41SC 2	|	|	1.716	3/2-|	2
41SC 3	2.096	3/2+	|	|	3
41SC 4	|	|	2.415	3/2-|	4
41SC 5	|	|	2.588	5/2-|	5
41SC 6	2.667	5/2+	|	|	6
41SC 7	2.719	1/2+	|	|	7
41SC 8	2.882	7/2+	|	|	8
41SC 9	|	|	|	2.972 7/2	9
41SC 10	|	|	|	3.014 (3/2-,5/2,7/2+)	10
41SC 11	|	|	|	3.185 (5/2-)	11
41SC 12	|	|	|	3.358 (11/2+)	12
41SC 13	3.412	1/2+	|	|	13 1.80 KEV 18
41SC 14	|	|	3.465	1/2-|	14 50 KEV 20
41SC 15	|	|	3.480	1/2-|	15 12.0 KEV 15
41SC 16	3.563	3/2+	|	|	16
41SC 17	|	|	|	3.678 (3/2-,5/2,7/2-)	17
41SC 18	|	|	|	3.697 7/2	18
41SC 19	|	|	3.732	1/2-|	19 12.0 KEV 12
41SC 20	|	|	3.774	3/2-|	20 0.70 KEV 7
41SC 21	|	|	|	3.781 (5/2+)	21
41SC 22	|	|	|	3.788 3/2+,5/2+	22 0.20 KEV 2
41SC 23	|	|	|	3.808 (1/2,3/2,5/2)+	23
41SC 24	|	|	|	3.905	24
41SC 25	3.969	1/2+	|	|	25 4 KEV
41SC 26	|	|	|	4.023 (7/2-)	26
41SC 27	|	|	4.031	7/2-|	27
41SC 28	4.245	5/2+	|	|	28
41SC 29	4.328	5/2+	|	|	29
41SC 30	|	|	|	4.441 (5/2-,7/2-)	30
41SC 31	4.502	3/2+	|	|	31 1.0 KEV 2
41SC 32	|	|	|	4.514 (9/2+)	32
41SC 33	|	|	4.535	3/2-|	33 12 KEV 3
41SC 34	|	|	4.644	1/2-|	34 36 KEV 10
41SC 35	|	|	|	4.656 (1/2,3/2,5/2)+	35
41SC 36	4.777	3/2+	|	|	36 3 KEV 1

41SC 82	|		|		|	6.112		82
41SC 83	|		|		|	6.116		83
41SC 84	|		|		|	6.131	3/2+,5/2+	84 2.9 KEV
41SC 85	|	6.147	5/2+	|				85 2.9 KEV
41SC 86	|		|	6.203	3/2-	|		86 6.5 KEV
41SC 87	|		|		|	6.236	5/2-,7/2-	87 8.3 KEV
41SC 88	|		|		|	6.259		88
S-alpha= 6.267 (0.000)-----								
41SC 89	|		|		|	6.314		89
41SC 90	|		|		|	6.326		90

41SC 91	|	6.335	1/2+	|				91 27.9 KEV
41SC 92	|	6.361	5/2+	|				92 2.8 KEV
41SC 93	|		|		|	6.399	3/2+,5/2+	93 8.1 KEV
41SC 94	|	6.414	5/2+	|				94 6.0 KEV
41SC 95	|		|	6.435	5/2-	|		95 10.4 KEV
41SC 96	|		|		|	6.458	(3/2-)	96 4.9 KEV
41SC 97	|		|	6.469	5/2-	|		97 12.1 KEV
41SC 98	|		|		|	6.475	(1/2,3/2,5/2)+	98
41SC 99	|		|		|	6.507		99
41SC 100	|	6.513	5/2+	|				100 18.8 KEV

41SC 101	|		|		|	6.522		101
41SC 102	|	6.533	5/2+	|				102 1.3 KEV
41SC 103	|		|	6.572	5/2-	|		103 4.5 KEV
41SC 104	|		|	6.585	1/2-	|		104 4.5 KEV
41SC 105	|	6.589	1/2+	|				105
41SC 106	|	6.610	1/2+	|				106 9.5 KEV
41SC 107	|	6.622	5/2+	|				107 3.2 KEV
41SC 108	|		|		|	6.643		108
41SC 109	|	6.651	9/2+	|				109 4.0 KEV
41SC 110	|		|		|	6.673	(1/2,3/2,5/2)+	110

41SC 111	|		|	6.691	3/2-	|		111 3.2 KEV
41SC 112	|	6.700	5/2+	|				112 6.2 KEV
41SC 113	|		|		|	6.730		113
41SC 114	|	6.741	5/2+	|				114 7.2 KEV
41SC 115	|		|		|	6.752		115
41SC 116	|		|		|	6.772	(3/2-)	116
41SC 117	|		|	6.783	5/2-	|		117 10.4 KEV
41SC 118	|	6.824	5/2+	|				118 4.1 KEV
41SC 119	|		|	6.841	5/2-	|		119 6.3 KEV
41SC 120	|		|	6.857	3/2-	|		120 9.6 KEV

41SC 121	|		|		|	6.872	(1/2,3/2)-	121
41SC 122	|		|		|	6.877	(1/2,3/2,5/2)+	122
41SC 123	|	6.880	9/2+	|				123 1.3 KEV
41SC 124	|		|		|	6.895	(9/2+)	124 3.4 KEV
41SC 125	|		|	6.908	5/2-	|		125 6.9 KEV
41SC 126	|		|		|	6.923	(5/2)-	126 4.5 KEV

41SC 127	|		|		|	6.947	(1/2,3/2,5/2)+	127	1.3 KEV
41SC 128	|	6.970	5/2+	|	|			128	6.9 KEV
41SC 129	|	6.996	9/2+	|	|			129	1.3 KEV
41SC 130	|			|	|	7.004	(9/2+)	130	1.0 KEV LT

41SC 131	|			|	|	7.022		131	
41SC 132	|	7.033	5/2+	|	|			132	3.2 KEV
41SC 133	|			|	7.069	5/2-		133	9.3 KEV
41SC 134	|			|	|	7.078		134	
41SC 135	|	7.107	5/2+	|	|			135	19.8 KEV
41SC 136	|			|	|	7.113	(3/2,5/2)-	136	14.0 KEV
41SC 137	|			|	|	7.123		137	7.7 KEV
41SC 138	|	7.142	5/2+	|	|			138	12.0 KEV
41SC 139	|			|	|	7.177	1/2-,3/2+,7/2-	139	
41SC 140	|			|	|	7.182	(1/2,3/2,5/2)+	140	

41SC 141	|	7.201	5/2+	|	|			141	40 KEV
41SC 142	|			|	|	7.206		142	
41SC 143	|			|	7.245	5/2-		143	12 KEV
41SC 144	|			|	|	7.264		144	
41SC 145	|	7.279	5/2+	|	|			145	9 KEV
41SC 146	|			|	|	7.297	(7/2+)	146	
41SC 147	|			|	|	7.313		147	
41SC 148	|	7.333	5/2+	|	|			148	23 KEV
41SC 149	|			|	7.338	5/2-		149	
41SC 150	|			|	|	7.347	(5/2+)	150	10 KEV

41SC 151	|			|	|	7.352	(9/2+)	151	8 KEV
41SC 152	|			|	|	7.360	(1/2,3/2,5/2)+	152	
41SC 153	|			|	|	7.382		153	
41SC 154	|			|	|	7.396	(9/2+)	154	
41SC 155	|			|	|	7.406	(5/2)	155	
41SC 156	|			|	|	7.421		156	
41SC 157	|			|	|	7.469	(3/2+)	157	
41SC 158	|			|	|	7.474		158	44 KEV
41SC 159	|			|	|	7.489	(7/2-,9/2+)	159	
41SC 160	|			|	|	7.494		160	

41SC 161	|			|	|	7.523	(7/2+)	161	
41SC 162	|			|	|	7.538	3/2(+)	162	8 KEV
41SC 163	|			|	7.557	3/2-		163	12 KEV
41SC 164	|	7.572	3/2+	|	|			164	10 KEV
41SC 165	|			|	|	7.606	(5/2-)	165	
41SC 166	|			|	|	7.620	(1/2,3/2,5/2)+	166	
41SC 167	|			|	|	7.640	(9/2+)	167	30 KEV
41SC 168	|			|	|	7.650	(5/2+)	168	
41SC 169	|			|	7.660	1/2-		169	30 KEV
41SC 170	|			|	7.718	3/2-		170	20 KEV

41SC 171	|			|	|	7.742	(3/2+)	171	

41SC 172	|		|	7.777		7/2-	|					172	35 KEV
41SC 173	|		|				|	7.815	(1/2)			173	
41SC 174	|		|	7.830		5/2-	|					174	33 KEV
41SC 175	|		|				|	7.855	(9/2+)			175	27 KEV
41SC 176	|		|				|	7.874	(1/2-)			176	20 KEV
41SC 177	|		|				|	7.894	(1/2,3/2,5/2)+			177	
41SC 178	|		|				|	7.903	(1/2)			178	
41SC 179	|		|				|	7.938				179	
41SC 180	|		|				|	7.947				180	

41SC 181	|		|				|	7.962				181	
41SC 182	|		|				|	7.981				182	
41SC 183	|		|				|	8.006	(3/2-)			183	25 KEV
41SC 184	|		|				|	8.089	(3/2-)			184	50 KEV
41SC 185	|		|				|	8.147	(5/2+)			185	75 KEV
41SC 186	|		|				|	8.450	(9/2+)			186	
41SC 187	|		|				|	8.645	(9/2+)			187	
41SC 188	|	8.879	|	9/2+	|		|					188	8 KEV
41SC 189	|	9.128	|	9/2+	|		|					189	18 KEV
41SC 190	|	9.269	|	9/2+	|		|					190	10 KEV

S-2p	=	9.413	(	0.000)	-----								
41SC 191	|	9.415	|	9/2+	|		|					191	11 KEV
41SC 192	|	9.513	|	9/2+	|		|					192	15 KEV
41SC 193	|	9.659	|	9/2+	|		|					193	16 KEV
41SC 194	|	9.698	|	9/2+	|		|					194	12 KEV
41SC 195	|	9.815	|	9/2+	|		|					195	13 KEV

S-p	=	1.085	(	0.000)	-----								
S-n	=	16.190	(	0.003)	-----								
S-2p	=	9.413	(	0.000)	-----								
S-2n	=	30.612	(	0.024)	-----								
S-alpha	=	6.267	(	0.000)	-----								

S+p	=	-3.751	(	0.000)									
S+n	=	-11.550	(	0.000)									
S+2p	=	-3.852	(	0.043)									
S+2n	=	-23.688	(	0.002)									
S+alpha	=	-5.669	(	0.001)									

gap p	=	-2.666	(	0.000)									
gap n	=	4.640	(	0.003)									
gap 2p	=	5.561	(	0.043)									
gap 2n	=	6.924	(	0.024)									
gap alpha	=	0.598	(	0.001)									