^{44}Sc $Z = 21$ $N = 23$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 376.525 (0.002) MeV
Qbeta+ = 3.653 (0.002) MeV

	Energy	T	J+		J-		J-other		T1/2	
44SC	1	0.000	2+					1	4.0420 H	25
44SC	2			0.068	1-			2	154.8 NS	8
44SC	3			0.146	0-			3	51.0 US	3
44SC	4			0.235	2-			4	6.16 NS	8
44SC	5	0.271	6+					5	58.61 H	10
44SC	6	0.350	4+					6	3.067 NS	14
44SC	7			0.425	3-			7	366 PS	10
44SC	8			0.531	3(-)			8	3.8 PS	GT
44SC	9			0.631	4-			9	353 PS	21
44SC	10					0.641		10		
44SC	11	0.666	1+					11	51 FS	+16-14
44SC	12					0.725	(1+,2+,3+	12		
44SC	13	0.762	3+					13	231 FS	56
44SC	14					0.829		14		
44SC	15	0.968	7+					15	3.5 PS	LT
44SC	16	0.986	3+					16	1.39 PS	+71-59
44SC	17			1.007	(4-)			17	35 NS	LT
44SC	18					1.047		18		
44SC	19	1.051	5+					19	170 FS	+69-59
44SC	20					1.102	(1-,2)	20		
44SC	21	1.143	1+					21		
44SC	22	1.186	3+					22	38 FS	+14-7
44SC	23			1.197	5-			23	35 NS	LT
44SC	24					1.292		24		
44SC	25	1.326	3+					25	125 FS	34
44SC	26					1.416	(1,3,5)-	26		
44SC	27	1.426	2+					27	42 FS	21
44SC	28	1.428	(4)+					28		
44SC	29					1.507	(4,5)+	29		
44SC	30	1.531	5+					30		
44SC	31			1.567	(3)-			31		
44SC	32	1.592	(2+)					32		
44SC	33					1.608	(3,4)+	33		
44SC	34					1.648	(1,2,3-)	34	122 FS	19
44SC	35					1.652	(1,2,3,4+	35	107 FS	24
44SC	36			1.680	(2-)			36	97 FS	23

44SC	37			1.683	(5)-			37		
44SC	38					1.728		38		
44SC	39			1.755	6-			39		
44SC	40			1.768	2-			40	55 FS	12
44SC	41					1.812	1+,3+	41		
44SC	42					1.866	3+,5+	42		
44SC	43					1.903		43		
44SC	44					1.958	(2,4)+	44		
44SC	45					1.986	3-,4-	45		
44SC	46					2.032		46		
44SC	47	2.069	1+					47		
44SC	48					2.106		48		
44SC	49					2.115		49		
44SC	50					2.177		50		
44SC	51			2.211	(6-)			51	162 PS	9
44SC	52					2.212		52		
44SC	53					2.241		53		
44SC	54					2.294	2+,3+,4+,	54		
44SC	55			2.332	(1 TO 6)-			55		
44SC	56					2.382		56		
44SC	57					2.425	(3,4)+	57		
44SC	58					2.474	2+,3+,4+,	58		
44SC	59			2.489	4-			59		
44SC	60			2.518	(1 TO 6)-			60		
44SC	61					2.556		61		
44SC	62					2.586	3-,4-	62		
44SC	63			2.607	7-			63	180 PS	10
44SC	64					2.617	3-,4-	64		
44SC	65					2.631		65		
44SC	66	2.672	9+					66	1.7 PS	3
44SC	67					2.691		67		
44SC	68					2.704	2+,3+,4+,	68		
44SC	69					2.719		69		
44SC	70					2.751	3-,4-	70		
44SC	71	2.780 2	0+					71		
44SC	72			2.789	(7-)			72		
44SC	73					2.796		73		
44SC	74					2.849		74		
44SC	75					2.878		75		
44SC	76					2.918	(2,3)+	76		
44SC	77			2.989	8-			77		
44SC	78					2.990	3-,4-	78		
44SC	79					3.011	3-,4-	79		
44SC	80					3.035		80		
44SC	81					3.052		81		

44SC	82					3.078	2+,3+,4+,	82		
44SC	83					3.101	2+,3+,4+,	83		
44SC	84	3.152	1+					84		
44SC	85					3.178		85		
44SC	86					3.216		86		
44SC	87	3.288	(5)+					87		
44SC	88					3.326	(5,6,7)+	88		
44SC	89			3.364	(8-)			89	164 PS	12
44SC	90					3.368	2+,3+,4+,	90		
44SC	91	3.418	(1+)					91		
44SC	92					3.431	2+,3+,4+,	92		
44SC	93	3.458	1+					93		
44SC	94					3.483	2+,3+,4+,	94		
44SC	95					3.560		95		
44SC	96	3.567	11+					96	47.6 PS	31
44SC	97					3.626	2+,3+,4+,	97		
44SC	98	3.641	1+					98		
44SC	99	3.711	1+					99		
44SC	100					3.826		100		
44SC	101			3.829	9-			101		
44SC	102					3.851	2+,3+,4+,	102		
44SC	103	3.905	1+					103		
44SC	104					3.956		104		
44SC	105					3.967	(1,2,3)+	105		
44SC	106	3.975	(13+)					106		
44SC	107					4.024		107		
44SC	108	4.040	(1)+					108		
44SC	109	4.054	1+					109		
44SC	110					4.087	2+,3+,4+,	110		
44SC	111			4.107	(9-)			111		
44SC	112	4.114	(10+)					112	0.35 PS	LT
44SC	113					4.140	(1,2,3)+	113		
44SC	114					4.185		114		
44SC	115					4.254	(2,3)+	115		
44SC	116	4.261	1+					116		
44SC	117					4.296	2+,3+,4+,	117		
44SC	118	4.323	1+					118		
44SC	119					4.363	2+,3+,4+,	119		
44SC	120					4.391	+	120		
44SC	121					4.422	(9)	121		
44SC	122					4.430		122		
44SC	123					4.461	2+,3+,4+,	123		
44SC	124					4.500		124		
44SC	125					4.533	2+,3+,4+,	125		
44SC	126			4.541	10-			126		
44SC	127	4.558	1+					127		

44SC 128						4.595	128
44SC 129						4.622	129
44SC 130						4.645	130
44SC 131						4.658	131
44SC 132						4.697 (3,4,5)+	132
44SC 133						4.718	133
44SC 134						4.746 (1:6)-	134
44SC 135						4.762	135
44SC 136	4.791	1+					136
44SC 137						4.820 2+,3+,4+,	137
44SC 138	4.857	1+					138
44SC 139			4.950	(10-)			139
44SC 140	5.001	1+					140
44SC 141	5.065	1+					141
44SC 142	5.096	1+					142
44SC 143	5.200	1+					143
44SC 144	5.262	1+					144
44SC 145						5.277	145
44SC 146						5.295	146
44SC 147						5.336	147
44SC 148			5.358	11-			148
44SC 149	5.404	1+					149
44SC 150						5.439	150
44SC 151						5.463	151
44SC 152	5.506	1+					152
44SC 153						5.526 +	153
44SC 154						5.553 (1:6)-	154
44SC 155	5.559	1+					155
44SC 156						5.608	156
44SC 157	5.636	1+					157
44SC 158						5.700	158
44SC 159						5.716	159
44SC 160	5.724	1+					160
44SC 161	5.774	(1+)					161
44SC 162	5.822	1+					162
44SC 163						5.854	163
44SC 164	5.880	1+					164
44SC 165						5.926	165
44SC 166						5.980	166
44SC 167	6.013	1+					167
44SC 168						6.043	168
44SC 169						6.099	169
44SC 170	6.156	1+					170
44SC 171						6.201	171
44SC 172						6.246	172

44SC 173					6.303	173			
44SC 174					6.367	174			
44SC 175			6.377	12-		175	0.31	PS	10
44SC 176	6.404	1+				176			
44SC 177					6.429	177			
44SC 178			6.441	(12-)		178	80	FS	24
44SC 179	6.464	1+				179			
44SC 180					6.547	180			
44SC 181					6.574	181			
44SC 182	6.635	1+				182			
44SC 183					6.678	183			
44SC 184					6.690	184			
S-alpha=	6.705 (0.002)								
S-p =	6.696 (0.002)								
44SC 185	6.737	1+				185			
44SC 186	6.776	1+				186			
44SC 187	6.818	1+				187			
44SC 188	6.857	1+				188			
44SC 189	6.893	1+				189			
44SC 190					6.990	190			
44SC 191	7.038	1+				191			
44SC 192					7.068	192			
44SC 193			7.092	13-		193	195	FS	69
44SC 194	7.104	1+				194			
44SC 195	7.150	1+				195			
44SC 196					7.171	196			
44SC 197	7.198	1+				197			
44SC 198					7.265	198			
44SC 199					7.291	199			
44SC 200					7.321	200			
44SC 201	7.351	(1+)				201			
44SC 202					7.374	202			
44SC 203	7.407	1+				203			
44SC 204					7.494	204			
44SC 205					7.514	205			
44SC 206	7.568	1+				206			
44SC 207	7.595	1+				207			
44SC 208	7.654	(1+)				208			
44SC 209	7.696	1+				209			
44SC 210					7.763	210			
44SC 211	7.797	1+				211			
44SC 212					7.873	212			
44SC 213					7.896	213			
44SC 214	7.942	1+				214			
44SC 215	8.016	1+				215			
44SC 216					8.051	216			

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 44SC 217 |                  |   8.096     14-    |                 217  177 FS    56
 44SC 218 |                  |                    |   8.164         218
 44SC 219 |                  |                    |   8.193         219
 44SC 220 |  8.230     1+    |                    |                 220
----------                                                         -----------------
 44SC 221 |                  |                    |   8.296         221
 44SC 222 |                  |                    |   8.356         222
 44SC 223 |                  |                    |   8.385         223
 44SC 224 |  8.428     1+    |                    |                 224
 44SC 225 |                  |                    |   8.458         225
 44SC 226 |  8.510     1+    |                    |                 226
 44SC 227 |  8.594     (1+)  |                    |                 227
 44SC 228 |  8.657     (1+)  |                    |                 228
 44SC 229 |  8.715     1+    |                    |                 229
 44SC 230 |  8.754     1+    |                    |                 230
----------                                                         -----------------
 44SC 231 |  8.812     (1+)  |                    |                 231
 44SC 232 |                  |                    |   8.848         232
 44SC 233 |                  |                    |   8.862         233
 44SC 234 |  8.906     1+    |                    |                 234
 44SC 235 |                  |                    |   8.945         235
 44SC 236 |  8.960     (1+)  |                    |                 236
 44SC 237 |  9.010     1+    |                    |                 237
 44SC 238 |  9.035     1+    |                    |                 238
 44SC 239 |  9.101     (1+)  |                    |                 239
 44SC 240 |  9.134     1+    |                    |                 240
----------                                                         -----------------
 44SC 241 |                  |   9.141     15-    |                 241  118 FS    21
 44SC 242 |  9.166     1+    |                    |                 242
 44SC 243 |                  |                    |   9.199         243
 44SC 244 |  9.239     1+    |                    |                 244
 44SC 245 |  9.307     (1+)  |                    |                 245
 44SC 246 |                  |                    |   9.343         246
 44SC 247 |                  |                    |   9.363         247
 44SC 248 |  9.381     (1+)  |                    |                 248
 44SC 249 |                  |                    |   9.411         249
 44SC 250 |                  |                    |   9.439         250
----------                                                         -----------------
 44SC 251 |                  |                    |   9.463         251
 44SC 252 |                  |                    |   9.487         252
 44SC 253 |  9.516     1+    |                    |                 253
 44SC 254 |                  |                    |   9.561         254
 44SC 255 |  9.600     1+    |                    |                 255
 44SC 256 |                  |                    |   9.631         256
 44SC 257 |                  |                    |   9.653         257
 44SC 258 |  9.683     1+    |                    |                 258
S-n    =   9.699 ( 0.003) ------------------------------------------------------------
 44SC 259 |                  |                    |   9.735         259
 44SC 260 |  9.765     1+    |                    |                 260
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44SC 261	9.798	1+			261
44SC 262				9.836	262
44SC 263				9.860	263
44SC 264				9.892	264
44SC 265				9.920	265
44SC 266				9.956	266
44SC 267				9.984	267
44SC 268	10.007	1+			268
44SC 269				10.075	269
44SC 270				10.094	270
44SC 271				10.112	271
44SC 272				10.140	272
44SC 273	10.188	1+			273
44SC 274				10.235	274
44SC 275				10.263	275
44SC 276	10.294	1+			276
44SC 277	10.364	1+			277
44SC 278	10.397	1+			278
44SC 279				10.455	279
44SC 280	10.487	(1+)			280
44SC 281				10.514	281
44SC 282				10.573	282
44SC 283				10.653	283
44SC 284				10.682	284
44SC 285				10.712	285
44SC 286				10.749	286
44SC 287				10.781	287
44SC 288				10.803	288
44SC 289	10.865	(1+)			289
44SC 290	10.897	(1+)			290
44SC 291	10.954	(1+)			291
44SC 292				10.993	292
44SC 293				11.023	293
44SC 294				11.052	294
44SC 295				11.174	295
44SC 296				11.251	296
44SC 297				11.273	297
44SC 298				11.319	298
44SC 299				11.383	299
44SC 300				11.415	300
44SC 301				11.455	301
44SC 302				11.489	302
44SC 303	11.575 (2)	(1+)			303
44SC 304				11.611	304
44SC 305				11.656	305
44SC 306				11.683	306

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 44SC 307 | 11.750 2   (1+)   |                   |                 307
 44SC 308 |                   |                   |  11.783         308
 44SC 309 |                   |                   |  11.815         309
 44SC 310 |                   |                   |  11.836         310
----------                                                        -----------------
 44SC 311 |                   |                   |  11.865         311
 44SC 312 |                   |                   |  11.931         312
 44SC 313 |                   |                   |  11.956         313
 44SC 314 |                   |                   |  11.979         314
 44SC 315 | 12.100     (1+)   |                   |                 315
 44SC 316 | 12.560 (2) (1+)   |                   |                 316
 44SC 317 | 12.630 2   (1+)   |                   |                 317
 44SC 318 | 12.820 1   (1+)   |                   |                 318
 44SC 319 | 13.100 (2) (1+)   |                   |                 319
 44SC 320 | 13.380 2   (1+)   |                   |                 320
----------                                                        -----------------
 44SC 321 | 13.530 2   (1+)   |                   |                 321
 44SC 322 | 13.680 2   (1+)   |                   |                 322


S-p    =   6.696 ( 0.002) ------------------------------------------------------------
S-n    =   9.699 ( 0.003) ------------------------------------------------------------
S-2p   =  17.372 ( 0.002) ------------------------------------------------------------
S-2n   =  21.838 ( 0.002) ------------------------------------------------------------
S-alpha=   6.705 ( 0.002) ------------------------------------------------------------

S+p       =  -8.483 ( 0.002)
S+n       = -11.328 ( 0.002)
S+2p      = -13.838 ( 0.002)
S+2n      = -20.088 ( 0.002)
S+alpha   =  -9.087 ( 0.002)

gap p     =  -1.787 ( 0.003)
gap n     =  -1.628 ( 0.003)
gap 2p    =   3.534 ( 0.002)
gap 2n    =   1.749 ( 0.003)
gap alpha =  -2.381 ( 0.003)
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