

^{44}Ti $Z = 22$ $N = 22$ adopted link ENSDF link

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

BE = 375.475 (0.001) MeV

Qbeta+ = 0.267 (0.002) MeV

	Energy T	J+		J-		J-other		T1/2

44TI	1	0.000	0+				1	59.1 Y 3
44TI	2	1.083 0	2+				2	2.57 PS 37
44TI	3	1.904	0+				3	0.5 PS GT
44TI	4	2.454 0	4+				4	0.433 PS 35
44TI	5	2.531 0	2+				5	1.02 PS 14
44TI	6	2.886	2+				6	0.35 PS 7
44TI	7			3.176	3-		7	15.6 PS 13
44TI	8	3.365	4+				8	0.36 PS 7
44TI	9	3.415	(3+)				9	0.49 PS 7
44TI	10			3.646	4-		10	76.3 PS 56

44TI	11	3.756	2+				11	0.17 PS 4
44TI	12			3.943	3-		12	0.8 PS 2
44TI	13	3.980	4+				13	0.35 PS 14
44TI	14	4.015 0	6+				14	0.42 PS 6
44TI	15			4.061	(5-)		15	1.5 PS +13-5
44TI	16	4.115 0	2+				16	111 FS 49
44TI	17			4.227	(3-)		17	
44TI	18	4.500	(6+)				18	
44TI	19	4.605	0+				19	
44TI	20	4.792	(2+)				20	0.35 PS 14

44TI	21	4.803 0	(6+)				21	
44TI	22	4.860	0+				22	
44TI	23			5.055	3-		23	
S-alpha=	5.127	(0.001)						

44TI	24			5.152	(6-)		24	
44TI	25			5.240	5-		25	
44TI	26					5.305	26	0.35 PS 14
44TI	27			5.330	5-		27	
44TI	28			5.421	3-		28	
44TI	29			5.672	(7-)		29	
44TI	30	6.032	2+				30	

44TI	31			6.245	1-		31	
44TI	32	6.508	8+				32	0.5 PS LT
44TI	33					6.535	33	
44TI	34	6.572	(8+)				34	
44TI	35	6.606 1	2+				35	

44TI	36					6.810	(0,2)+	36		
44TI	37	6.849	1	(6)+				37		
44TI	38				6.924		(8-)	38		
44TI	39	6.959	1	(4+)				39		
44TI	40					7.010		40		

44TI	41					7.140		41		
44TI	42	7.216	1	1+				42		
44TI	43				7.340		3-	43		
44TI	44				7.409		(9-)	44		
44TI	45	7.458		(8+)				45		
44TI	46				7.500		1-	46		
44TI	47				7.570		3-	47		
44TI	48					7.634	(1,2+)	48		
44TI	49	7.670		6+				49		
44TI	50	7.671		(10+)				50	1.87 PS	35

44TI	51					7.780		51		
44TI	52				8.036		3-	52		
44TI	53	8.040		(12+)				53	2.1 NS	4
44TI	54					8.072	(1-,2+)	54		
44TI	55					8.123		55		
44TI	56					8.134		56		
44TI	57				8.170		1-	57		
44TI	58					8.195		58		
44TI	59					8.237		59		
44TI	60					8.254		60		

44TI	61					8.320		61		
44TI	62	8.382		2+				62		
44TI	63					8.419	(0+,1-)	63		
44TI	64	8.449		2+				64		
44TI	65				8.465		(3-)	65		
44TI	66	8.511		2+				66		
44TI	67					8.524		67		
44TI	68					8.534	(2+,3-)	68		
44TI	69	8.568		2+				69		
44TI	70	8.627		2+				70		

44TI	71	8.639		2+				71		
S-p	=	8.649		(0.002)						

44TI	72					8.695		72		
44TI	73					8.728		73		
44TI	74	8.754		2+				74		
44TI	75					8.763		75		
44TI	76					8.838		76		
44TI	77				8.862		(10-)	77		
44TI	78					8.895		78		
44TI	79	8.946		(4+)				79		
44TI	80				8.954		1-	80		

44TI 81						8.963 (3-,4+)		81
44TI 82		8.984	(10+)					82
44TI 83		8.987	2+					83
44TI 84		8.992	4+					84
44TI 85		8.999	(4+)					85
44TI 86						9.046		86
44TI 87		9.076	(2+)					87
44TI 88		9.105	4+					88
44TI 89						9.119		89
44TI 90		9.132	2+					90
44TI 91						9.140		91
44TI 92						9.155		92
44TI 93						9.180		93
44TI 94		9.191	4+					94
44TI 95		9.215	0 2+					95
44TI 96		9.227	1 2+					96
44TI 97		9.239	0 2+					97
44TI 98						9.243		98
44TI 99						9.290		99
44TI 100						9.294		100
44TI 101		9.299	1+2 0+					101
44TI 102		9.304	2+					102
44TI 103		9.338	1+2 0+					103
44TI 104		9.350	4+					104
44TI 105						9.361 (2+,3-)		105
44TI 106					9.385	3-		106
44TI 107					9.400	5-		107
44TI 108		9.432	4+					108
44TI 109						9.478		109
44TI 110					9.491	3-		110
44TI 111		9.503	(10+)					111
44TI 112		9.522	2+					112
44TI 113						9.542		113
44TI 114		9.563	0+					114
44TI 115					9.589	5-		115
44TI 116		9.642	2+					116
44TI 117		9.679	0+					117
44TI 118		9.698	2+					118
44TI 119		9.713	4+					119
44TI 120					9.724	(11-)		120
44TI 121		9.741	(2+)					121
44TI 122		9.780	0+					122
44TI 123					9.845	3-		123
44TI 124					9.880	3-		124
44TI 125						9.895		125

44TI 126					9.908 (3-,5-)	126
44TI 127	9.909	(0+)				127
44TI 128	9.918	(0+)				128
44TI 129	9.950	0+				129
44TI 130	9.977	0+				130

44TI 131	10.009	2+				131
44TI 132	10.027	2+				132
44TI 133					10.046	133
44TI 134	10.072	0+				134
44TI 135			10.113	(3-)		135
44TI 136					10.129 (1-,2+)	136
44TI 137					10.166	137
44TI 138	10.182	(0+)				138
44TI 139					10.209 (0+,1-,2+)	139
44TI 140	10.227	(2+)				140

44TI 141					10.258	141
44TI 142	10.280	(0+)				142
44TI 143					10.303	143
44TI 144					10.327	144
44TI 145					10.386 (2+,3-)	145
44TI 146	10.461	(0+)				146
44TI 147			10.465	(12-)		147
44TI 148					10.520	148
44TI 149	10.590	(0+)				149
44TI 150	10.700	4+				150

44TI 151	10.860	0+				151
44TI 152	11.040	4+				152
44TI 153	11.072	0+				153
44TI 154					11.087	154
44TI 155					11.110 (5-,6+)	155
44TI 156	11.191	0+				156
44TI 157	11.496	(12+)				157
44TI 158			11.538	(13-)		158
44TI 159			11.548	(13-)		159
44TI 160			11.660	3-		160

44TI 161			11.691	1-		161
44TI 162			11.727	1-		162
44TI 163					11.810 (4+,5-)	163
44TI 164	11.835	(12+)				164
44TI 165			11.950	7-		165
44TI 166	12.110	4+				166
44TI 167	12.118	2+				167
44TI 168	12.172	2+				168
44TI 169			12.200	(1-)		169
44TI 170			12.563	(3-)		170

44TI 171		12.580	4+				171
44TI 172					12.772	3-	172
44TI 173		12.854	(4+)				173
44TI 174					13.000	(1-)	174
44TI 175						13.240 (3-,4+)	175
44TI 176					13.371	(15-)	176
44TI 177					13.440	5-	177

S-2p	=	13.579	(0.001)				
44TI 178					13.782	(14-)	178
44TI 179					13.970	3-	179
44TI 180					14.100	(3-)	180

44TI 181						14.270 (4+,5-)	181
44TI 182		14.330	(0+)				182
44TI 183					14.550	(1-)	183
44TI 184						14.710 (5-,6+)	184
44TI 185						14.830 (3-,4+)	185
44TI 186						15.450	186
44TI 187					15.950	(3-)	187
44TI 188						16.020	188

S-n	=	16.304	(0.006)				
44TI 189		16.570	(2+)				189

S-p	=	8.649	(0.002)				

S-n	=	16.304	(0.006)				

S-2p	=	13.579	(0.001)				

S-2n	=	28.587	(0.001)				

S-alpha	=	5.127	(0.001)				

S+p	=	-1.627	(0.001)				
S+n	=	-9.533	(0.001)				
S+2p	=	-6.501	(0.011)				
S+2n	=	-22.722	(0.001)				
S+alpha	=	-7.698	(0.007)				

gap p	=	7.023	(0.002)				
gap n	=	6.771	(0.006)				
gap 2p	=	7.078	(0.011)				
gap 2n	=	5.865	(0.001)				
gap alpha	=	-2.571	(0.007)				