

^{52}Cr $Z = 24$ $N = 28$ adopted link ENSDF link

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

BE = 456.352 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
52CR 1	0.000	0+			1 STABLE
52CR 2	1.434	2+			2 0.783 PS 21
52CR 3	2.370	4+			3 6.7 PS +35-17
52CR 4	2.647	0+			4
52CR 5	2.768	4+			5 1.9 PS 5
52CR 6	2.965	2+			6 0.42 PS 8
52CR 7	3.114	6+			7 41.4 PS 14
52CR 8	3.162	2+			8 0.035 PS 7
52CR 9	3.415	4+			9 0.26 PS 7
52CR 10	3.472	3+			10 7.2 PS 8
52CR 11	3.616	5+			11 2.6 PS 12
52CR 12				3.740 1+,1-,2+	12
52CR 13	3.772	2+			13 9 FS 2
52CR 14	3.947	2+			14 0.014 PS 7
52CR 15	3.951	2+			15
52CR 16	4.016	5+			16 0.61 PS +27-19
52CR 17	4.039	4+			17 26 FS 4
52CR 18			4.100 3-		18
52CR 19			4.470 3-		19
52CR 20			4.563 3-		20 40 FS 6
52CR 21				4.584 (6+)	21
52CR 22				4.611 (3,4)+	22
52CR 23	4.627	4+			23
52CR 24	4.702	2+			24
52CR 25	4.730	4+			25
52CR 26	4.742	0+			26
52CR 27	4.750	8+			27 0.08 PS 10
52CR 28				4.800 1+,1-,2+	28
52CR 29	4.806	6+			29 0.49 PS +28-14
52CR 30				4.816 1+,2+	30
52CR 31				4.841 1+,1-,2+	31
52CR 32	4.951	4+			32
52CR 33	5.054	4+			33
52CR 34	5.095	4+			34
52CR 35				5.099 1	35 0.045 EV 10
52CR 36				5.139 (6+)	36
52CR 37				5.214 1	37 0.013 EV 3
52CR 38				5.285	38

52CR 39						5.346	4+,6+	39
52CR 40		5.397	7+					40 0.14 PS +12-9

52CR 41						5.410	(2+)	41
52CR 42		5.425	4+					42
52CR 43						5.432		43
52CR 44		5.446	4+					44
52CR 45						5.491	1+,1-,2+	45
52CR 46				5.500	3-			46
52CR 47						5.526	1	47 0.016 EV 3
52CR 48		5.541	4+					48
52CR 49						5.545	(1+)	49 0.112 EV 7
52CR 50						5.563	+	50

52CR 51						5.584	+	51
52CR 52		5.600	0+					52
52CR 53						5.633	(8+)	53
52CR 54						5.664	(2)+	54
52CR 55						5.725	+	55
52CR 56						5.738	(4+)	56
52CR 57						5.755	+	57
52CR 58						5.796	1+,2+	58
52CR 59						5.811	5,6+	59
52CR 60						5.818		60

52CR 61		5.825	8+					61 1.0 PS +6-4
52CR 62						5.860	+	62
52CR 63						5.865		63
52CR 64				5.873	3-			64
52CR 65						5.891	3-,4-	65
52CR 66						5.919	5,6+	66
52CR 67		5.953	2+					67
52CR 68						5.960		68
52CR 69				5.996	3-			69
52CR 70						6.026	+	70

52CR 71						6.035		71
52CR 72		6.055	2+					72
52CR 73						6.065		73
52CR 74		6.106	0+					74
52CR 75		6.137	2+					75
52CR 76		6.153	2+					76
52CR 77				6.164	3-			77
52CR 78		6.175	2+					78
52CR 79						6.193	+	79
52CR 80						6.205		80

52CR 81						6.210		81
52CR 82						6.220		82
52CR 83						6.233	+	83

52CR 84				6.243	3-				84
52CR 85							6.252		85
52CR 86							6.272		86
52CR 87							6.293		87
52CR 88							6.324		88
52CR 89							6.349	+	89
52CR 90							6.357	(9+)	90

52CR 91							6.365	(10+)	91
52CR 92							6.375		92
52CR 93							6.381	(6+)	93
52CR 94		6.390	1+						94 0.069 EV 7
52CR 95				6.392	3-				95
52CR 96							6.426		96
52CR 97							6.437		97
52CR 98		6.453	9+						98 0.14 PS +9-8
52CR 99							6.462	1	99 0.074 EV 7
52CR 100							6.482	5,6+	100

52CR 101		6.493	2+						101
52CR 102							6.496	1	102 0.131 EV 9
52CR 103				6.541	3-				103
52CR 104							6.568		104
52CR 105							6.580		105
52CR 106							6.637		106
52CR 107							6.678	+	107
52CR 108							6.700	-	108
52CR 109							6.704	5,6+	109
52CR 110		6.752	1+						110 0.089 EV 10

52CR 111				6.795	3-				111
52CR 112		6.810	2+						112
52CR 113				6.871	5-				113
52CR 114							6.894	+	114
52CR 115							6.928	+	115
52CR 116							6.956	5,6+	116
52CR 117				6.993	3-				117
52CR 118							7.015	1	118 0.210 EV 30
52CR 119		7.030	1+						119
52CR 120		7.091	1+						120 0.062 EV 11

52CR 121				7.100	3-				121
52CR 122							7.140	+	122
52CR 123							7.166	+	123 0.054 EV 11
52CR 124		7.217	2+						124
52CR 125							7.223	+	125
52CR 126		7.238	10+						126 0.16 PS +15-8
52CR 127							7.260	+	127
52CR 128		7.278	4+						128
52CR 129							7.310	+	129

52CR 130					7.322	+		130
52CR 131	7.342	1+						131
52CR 132	7.369	1+						132 0.229 EV 18
52CR 133			7.376	5-				133
52CR 134	7.395	5+						134
52CR 135					7.402	(12+)		135
52CR 136					7.403	1		136 0.107 EV 15
52CR 137			7.409	3-				137
52CR 138					7.450	0+,2+		138
52CR 139					7.458	5,6+		139
52CR 140			7.482	3-				140
52CR 141					7.487	+		141
52CR 142	7.524	1+						142 0.400 EV 28
52CR 143					7.560	+		143
52CR 144			7.585	3-				144
52CR 145					7.590	+		145
52CR 146					7.679	5,6+		146
52CR 147	7.700	1+						147
52CR 148			7.732	1-				148 0.960 EV 24
52CR 149			7.738	3-				149
52CR 150					7.750	+		150
52CR 151					7.760	+		151
52CR 152					7.810	-		152
52CR 153	7.820	1+						153
52CR 154			7.823	3-				154
52CR 155	7.854	4+						155
52CR 156	7.865	1+						156 0.435 EV 27
52CR 157					7.889	1		157 0.480 EV 45
52CR 158	7.893	4+						158
52CR 159			7.897	1-				159 3.38 EV 17
52CR 160			7.900	3-				160
52CR 161					7.920	+		161
52CR 162					7.930	+		162
52CR 163			7.967	3-				163
52CR 164					8.010	+		164
52CR 165					8.015	1		165 0.260 EV 59
52CR 166	8.022	2+						166
52CR 167					8.083	+		167
52CR 168			8.087	3-				168
52CR 169					8.091	1		169 0.734 EV 44
52CR 170			8.100	8-				170
52CR 171					8.121	+		171
52CR 172	8.179	1+						172 0.90 EV 18
52CR 173					8.190	+		173
52CR 174	8.213	0+						174

