

^{92}Zr $Z = 40$ $N = 52$ adopted link ENSDF link

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

BE = 799.726 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
92ZR 1	0.000	0+			1 STABLE
92ZR 2	0.935	2+			2 5.0 PS 4
92ZR 3	1.383	0+			3 88 PS 3
92ZR 4	1.495	4+			4 102 PS 3
92ZR 5	1.847	2+			5 96 FS 10
92ZR 6	2.067	2+			6 0.76 PS GT
92ZR 7				2.182 (2+)	7
92ZR 8			2.340 3-		8 0.28 PS 3
92ZR 9	2.398	4+			9 149 FS 16
92ZR 10				2.473 (LE2)	10
92ZR 11			2.486 5-		11 3.5 NS LE
92ZR 12				2.666	12
92ZR 13			2.744 4-		13 2.63 PS GT
92ZR 14			2.752 3-		14
92ZR 15	2.820	2+			15 64 FS 7
92ZR 16	2.865	4+			16 0.24 PS 3
92ZR 17	2.904	0+			17 0.83 PS +57-24
92ZR 18	2.909	3+			18 216 FS 24
92ZR 19	2.957	6+			19 3.5 NS LE
S-alpha=	2.962 (0.000)				
92ZR 20				3.040 3	20 91 FS 10
92ZR 21	3.057	2+			21 98 FS 10
92ZR 22				3.125 1(+)	22 58 FS 6
92ZR 23	3.178	4+			23 54 FS 6
92ZR 24				3.191 (4-)	24 153 FS 18
92ZR 25	3.237	4+			25
92ZR 26	3.263	2+			26 12.5 FS 14
92ZR 27				3.276 2+,3+	27 53 FS 6
92ZR 28	3.289	3+			28 174 FS 19
92ZR 29	3.304	6+			29
92ZR 30				3.309 (8+)	30 1.18 NS 7
92ZR 31				3.325 (+)	31
92ZR 32			3.345 5-		32
92ZR 33				3.371 1(-)	33 27 FS 3
92ZR 34				3.380 (7-)	34 3.5 NS LE
92ZR 35			3.382 3-		35
92ZR 36				3.408 2-,3-	36 0.30 PS 4
92ZR 37			3.446 3-		37

92ZR	38					3.452	(2)+	38	58 FS	6
92ZR	39					3.463	(4)+	39	137 FS	+21-17
92ZR	40	3.472	1+					40	5.3 FS	6

92ZR	41					3.491	(3-)	41		
92ZR	42	3.500	2+					42	53 FS	5
92ZR	43	3.589	0+					43		
92ZR	44					3.602	(5-)	44		
92ZR	45					3.609	(0+)	45	151 FS	+26-23
92ZR	46					3.628	(4+)	46	26 FS	3
92ZR	47			3.638	1-			47	8.4 FS	11
92ZR	48					3.640	(2)+	48	128 FS	15
92ZR	49	3.649	3+					49	56 FS	7
92ZR	50					3.667	1	50		

92ZR	51					3.676	3+,4+,5+	51	116 FS	+24-20
92ZR	52					3.697	1(+)	52	17.3 FS	28
92ZR	53					3.704	(4)+	53		
92ZR	54					3.725	+	54		
92ZR	55	3.760	2+					55		
92ZR	56			3.767	5-			56		
92ZR	57					3.775	(1,2+)	57	17 FS	5
92ZR	58					3.783	(4)+	58		
92ZR	59					3.805	(LE4)	59	9 FS	+6-5
92ZR	60					3.814	(4)+	60		

92ZR	61					3.819	(8-)	61	3.5 NS	LE
92ZR	62					3.830	(1-,2+)	62		
92ZR	63					3.891		63		
92ZR	64					3.902		64		
92ZR	65					3.915	1	65		
92ZR	66			3.944	5-			66		
92ZR	67					3.971		67		
92ZR	68					3.983		68		
92ZR	69	3.992	0+					69		
92ZR	70					3.999	(9-)	70	3.5 NS	LE

92ZR	71					4.012	+	71		
92ZR	72	4.040	4+					72		
92ZR	73	4.082	4+					73		
92ZR	74					4.142	2+,3+	74		
92ZR	75	4.161	4+					75		
92ZR	76			4.181	3-			76		
92ZR	77					4.183	(+)	77		
92ZR	78					4.213	2+,3+	78		
92ZR	79	4.256	4+					79		
92ZR	80					4.270	(5-)	80		

92ZR	81	4.283	0+					81		
92ZR	82					4.297	(10+)	82	3.5 NS	LE

92ZR 83	|	4.332	2+	|	|	|	|	83
92ZR 84	|			|	|	4.380	(4+)	84
92ZR 85	|	4.397	2+	|	|	|	|	85
92ZR 86	|			|	|	4.453	(2)+	86
92ZR 87	|	4.465	4+	|	|	|	|	87
92ZR 88	|			|	|	4.494		88
92ZR 89	|			|	|	4.504		89
92ZR 90	|			|	4.539	3-		90

92ZR 91	|			|	|	4.604	+	91
92ZR 92	|			|	|	4.606	(5-)	92
92ZR 93	|			|	|	4.640	-	93
92ZR 94	|			|	|	4.670	+	94
92ZR 95	|			|	|	4.720	(2+,3+)	95
92ZR 96	|			|	|	4.785	(2+,3+)	96
92ZR 97	|			|	|	4.807	(3-)	97
92ZR 98	|			|	|	4.813		98
92ZR 99	|			|	|	4.821		99
92ZR 100	|			|	|	4.847	(-)	100

92ZR 101	|			|	|	4.894	(+)	101
92ZR 102	|			|	4.928	5-		102
92ZR 103	|			|	|	4.947	(12+)	103 3.5 NS LE
92ZR 104	|			|	|	4.977		104
92ZR 105	|			|	|	4.982		105
92ZR 106	|			|	|	5.012	-	106
92ZR 107	|			|	|	5.040	(-)	107
92ZR 108	|	5.056	4+	|	|	|		108
92ZR 109	|			|	|	5.067	2+,3+	109
92ZR 110	|			|	|	5.091	+	110

92ZR 111	|			|	|	5.115	(4)+	111
92ZR 112	|			|	|	5.197		112
92ZR 113	|			|	|	5.215		113
92ZR 114	|			|	|	5.278		114
92ZR 115	|			|	|	5.310	(2+,3+)	115
92ZR 116	|			|	|	5.358	-	116
92ZR 117	|			|	|	5.455		117
92ZR 118	|			|	|	5.490	(0+)	118
92ZR 119	|			|	|	5.537		119
92ZR 120	|			|	|	5.581	(2+)	120

92ZR 121	|			|	|	5.680	(4+)	121
92ZR 122	|			|	5.685	3-		122
92ZR 123	|			|	5.885	3-		123
92ZR 124	|			|	|	6.045	(14+)	124
92ZR 125	|			|	6.056	3-		125
92ZR 126	|			|	|	6.125		126
92ZR 127	|			|	6.187	3-		127
92ZR 128	|			|	|	6.240	(4+)	128

92ZR 129	|		|	6.334	3-	|				129
92ZR 130	|		|	6.436	3-	|				130

92ZR 131	|		|			|	6.990			131
92ZR 132	|		|			|	7.000			132
92ZR 133	|		|			|	7.400			133
92ZR 134	|		|			|	7.446	(16+)		134
92ZR 135	|		|			|	8.039	(17,18+)		135 42 PS 14
92ZR 136	|	8.635	|		2+	|				136
S-n	=	8.635	(	0.000)	-----					
92ZR 137	|	8.800	|		1+	|				137 1.4 MEV 2
92ZR 138	|		|			|	9.127	(18+)		138
S-p	=	9.397	(	0.002)	-----					
92ZR 139	|		|			|	9.722	(LE20)		139

S-p	=	9.397	(	0.002)	-----					
S-n	=	8.635	(	0.000)	-----					
S-2p	=	17.086	(	0.001)	-----					
S-2n	=	15.829	(	0.000)	-----					
S-alpha	=	2.962	(	0.000)	-----					

S+p	=	-6.043	(	0.001)						
S+n	=	-6.734	(	0.000)						
S+2p	=	-14.533	(	0.000)						
S+2n	=	-14.953	(	0.000)						
S+alpha	=	-2.761	(	0.000)						

gap p	=	3.354	(	0.002)						
gap n	=	1.901	(	0.000)						
gap 2p	=	2.553	(	0.001)						
gap 2n	=	0.876	(	0.000)						
gap alpha	=	0.202	(	0.000)						