

$^{88}\text{Sr}$        $Z = 38$        $N = 50$       adopted link      ENSDF link

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

BE = 768.468 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
88SR 1	0.000	0+			1 STABLE
88SR 2	1.836	2+			2 0.154 PS 8
88SR 3			2.734 3-		3 0.70 PS 5
88SR 4	3.156	0+			4 1.5 PS +8-4
88SR 5	3.218	2+			5 0.155 PS 10
88SR 6				3.378 1	6 22 PS 3
88SR 7	3.487	1+			7 2.78 FS 24
88SR 8				3.523 (2+)	8 46 FS 15
88SR 9			3.585 5-		9 0.14 NS 4
88SR 10				3.635 (3)+	10 0.76 PS +21-14
88SR 11				3.953 (4)-	11 0.8 PS +7-3
88SR 12				3.990	12
88SR 13				3.992 (0+)	13 0.48 PS GT
88SR 14				4.020 (6)-	14 10 PS LT
88SR 15	4.036	2+			15 15 FS 3
88SR 16				4.039 (3)+	16 83 FS 7
88SR 17				4.170 (3-)	17 1.6 PS +22-6
88SR 18				4.171 (6+,7-)	18
88SR 19				4.224	19
88SR 20				4.227 1	20 0.15 PS 4
88SR 21				4.227 (3-)	21 84 FS 26
88SR 22	4.232	4+			22
88SR 23				4.263 (1,2+)	23
88SR 24				4.269 (3-,4,5-)	24 0.37 PS 4
88SR 25	4.300	4+			25 30 FS 5
88SR 26				4.354 (3-)	26 0.68 PS +22-14
88SR 27				4.368 (7-)	27 10 PS LT
88SR 28				4.414 (2)+	28 16 FS 3
88SR 29				4.441	29 367 FS 49
88SR 30				4.452 (4)+	30 222 FS 42
88SR 31	4.485	0+			31 97 FS 7
88SR 32			4.514 2-		32 0.9 PS 3
88SR 33				4.515 +	33 27 FS 8
88SR 34				4.521 (6)-	34
88SR 35				4.556 +	35
88SR 36				4.614 (3-)	36
88SR 37	4.622	2+			37 21 FS 5
88SR 38				4.632 +	38

88SR 39						4.640				39	132 FS	14
88SR 40						4.680				40	0.15 PS	+15-7
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88SR 41						4.687	(7)			41		
88SR 42				4.742	1-					42	2.6 FS	2
88SR 43						4.743	(6-)			43		
88SR 44		4.762	2+							44	70 FS	40
88SR 45		4.770	2+							45	6.2 FS	27
88SR 46		4.801	0+							46	16 FS	5
88SR 47						4.801	1			47	0.13 PS	3
88SR 48						4.846	(3)-			48	19 FS	5
88SR 49				4.853	1-					49	0.17 PS	2
88SR 50		4.881	4+							50	30 FS	3
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88SR 51						4.915	1			51	56 FS	9
88SR 52						4.924	(2,3,1)			52	51 FS	10
88SR 53						4.931	2+,3+,4+			53	64 FS	+80-42
88SR 54		4.988	2+							54	12 FS	3
88SR 55						5.011	(3,4+)			55	14 FS	3
88SR 56						5.077				56		
88SR 57						5.085	(2)+			57	6.3 FS	28
88SR 58						5.092	(4+)			58	57 FS	8
88SR 59						5.103	(7)			59		
88SR 60						5.113	(2+,3)			60	5.3 FS	35
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88SR 61						5.124	(1,2+)			61	0.16 PS	+8-5
88SR 62						5.127	(2)			62	23 FS	7
88SR 63						5.137				63	33 FS	10
88SR 64		5.164	2+							64	51 FS	13
88SR 65						5.169				65	23 FS	3
88SR 66						5.170	(2+)			66	48 FS	23
88SR 67		5.199	4+							67		
88SR 68						5.254	(3-)			68	33 FS	8
88SR 69						5.263				69	18 FS	4
88SR 70						5.276	(1-,2+)			70	17 FS	4
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88SR 71						5.308	(1)			71	35 FS	6
88SR 72		5.321	4+							72		
88SR 73						5.322	(2,3)			73	104 FS	28
88SR 74						5.371				74		
88SR 75		5.383	4+							75		
88SR 76						5.393	(2+)			76	32 FS	12
88SR 77						5.396	(2+)			77	0.18 PS	+9-6
88SR 78						5.416	4+,5+			78		
88SR 79						5.425	(3-)			79	83 FS	35
88SR 80						5.428	(8)			80		
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88SR 81						5.428	(4-,5)			81		
88SR 82		5.465	4+							82		
88SR 83						5.473	(2-,3-,4-)			83	0.7 FS	LT

88SR 84				5.486	1	84	0.7 PS	+30-4
88SR 85				5.499	(1,2+)	85	0.7 PS	GT
88SR 86				5.517	(1,2,3)	86	19 FS	+19-15
88SR 87	5.518	4+				87		
88SR 88				5.529		88		
88SR 89				5.537	2-,3-,4-	89		
88SR 90				5.542	(1)	90	29 FS	10
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88SR 91				5.583		91	3.3 PS	GT
88SR 92				5.590	(1-,2,3+)	92	45 FS	15
88SR 93				5.601	(1,2+)	93		
88SR 94				5.614		94		
88SR 95				5.655	(8)	95	10 PS	LT
88SR 96				5.656	(2+,3,4+)	96	12 FS	LT
88SR 97				5.678	(4)+	97	23 FS	6
88SR 98				5.689	3+,4+	98	0.29 PS	8
88SR 99				5.691	1	99	38 FS	9
88SR 100	5.694	2+				100	67 FS	19
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88SR 101				5.707		101		
88SR 102				5.711		102	9 FS	LT
88SR 103	5.730	4+				103	0.2 PS	GT
88SR 104				5.738		104		
88SR 105	5.772	0+				105	25 FS	11
88SR 106				5.801	(1-,2,3+)	106	32 FS	10
88SR 107			5.812	3-		107	7 FS	5
88SR 108				5.832	(1,2+)	108	1 PS	GT
88SR 109				5.836	(3-,4+)	109	33 FS	9
88SR 110				5.859	4+,5+	110		
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88SR 111				5.866	(1,2+)	111	0.9 PS	+9-3
88SR 112				5.876		112		
88SR 113				5.925		113		
88SR 114				5.951	(4-)	114		
88SR 115				5.990	(1,2+)	115	0.033 PS	9
88SR 116	5.996	4+				116	23 FS	8
88SR 117			6.010	1-		117	1.4 FS	1
88SR 118				6.011	(2+)	118		
88SR 119				6.011	(3-)	119	41 FS	+29-22
88SR 120				6.022	+	120		
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88SR 121				6.034		121		
88SR 122				6.052	(2+)	122	1.1 PS	GT
88SR 123				6.054	(2)+	123	44 FS	16
88SR 124				6.066	+	124		
88SR 125				6.075		125	61 FS	+91-45
88SR 126				6.099	(3,4+)	126	17 FS	8
88SR 127				6.101	(1,2+)	127	0.8 PS	GT
88SR 128				6.106	(1,2,3)	128	0.2 PS	LT
88SR 129				6.125		129		

88SR 130				6.127		130	0.26 PS	+26-10
88SR 131				6.133		131	29 FS	LT
88SR 132				6.140	+	132		
88SR 133				6.154	(1-)	133	0.3 PS	LT
88SR 134				6.168	(1,2,3)	134	0.13 PS	+8-5
88SR 135				6.173	(1,2+)	135	15 FS	7
88SR 136				6.188		136		
88SR 137	6.201	1+				137	3.5 FS	5
88SR 138			6.214	1-		138	0.247 FS	15
88SR 139				6.216	4+,5+	139		
88SR 140				6.234	(-)	140		
88SR 141				6.235	(7)	141		
88SR 142				6.241		142		
88SR 143				6.249	(2-,3+)	143		
88SR 144	6.258	3+				144		
88SR 145				6.270	(2+)	145		
88SR 146				6.283	3+,4+,5+	146		
88SR 147				6.293		147		
88SR 148				6.302	(2+)	148		
88SR 149			6.333	1-		149	0.160 FS	10
88SR 150			6.346	1-		150	1.4 FS	1
88SR 151				6.351	+	151		
88SR 152				6.362		152		
88SR 153				6.367	(1,2+)	153		
88SR 154				6.378	(+)	154		
88SR 155				6.382	1	155	18 FS	5
88SR 156				6.398		156		
88SR 157				6.417	+	157		
88SR 158				6.431		158		
88SR 159				6.462	+	159		
88SR 160				6.471	(+)	160		
88SR 161				6.508	(4+)	161		
88SR 162				6.519	(2+)	162		
88SR 163				6.543		163		
88SR 164				6.551	(3,4,5)+	164		
88SR 165				6.566		165		
88SR 166				6.575		166		
88SR 167				6.584	(1-,2,3+)	167		
88SR 168				6.592	1	168	5.2 FS	13
88SR 169				6.613	2-,3-	169		
88SR 170				6.618	+	170		
88SR 171				6.623		171		
88SR 172				6.627		172		
88SR 173				6.635	+	173		
88SR 174				6.640	(0-,1-,2-)	174		

88SR 175				6.666		175			
88SR 176				6.672		176			
88SR 177				6.692	(3+,2+)	177			
88SR 178				6.710	1	178	0.0025	PS	13
88SR 179				6.739	+	179			
88SR 180				6.770		180			
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88SR 181				6.783	+	181			
88SR 182				6.798		182			
88SR 183				6.807	(4+)	183			
88SR 184				6.815		184			
88SR 185				6.832	+	185			
88SR 186				6.841	(8)	186			
88SR 187				6.855	1	187	2.1	FS	4
88SR 188				6.874		188			
88SR 189				6.897		189			
88SR 190				6.911		190			
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88SR 191				6.917	(3-,2+)	191			
88SR 192				6.939	+	192			
88SR 193				6.962	3+,4+,5+	193			
88SR 194		6.987	1-			194	0.81	FS	7
88SR 195				7.011		195			
88SR 196				7.023	3+,4+,5+	196			
88SR 197				7.056	2-,3-,4-	197			
88SR 198				7.061	+	198			
88SR 199				7.072		199			
88SR 200		7.089	1-			200	0.109	FS	7
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88SR 201				7.103		201			
88SR 202				7.119	(10)	202			
88SR 203				7.129		203			
88SR 204				7.139	(4+)	204			
88SR 205				7.169	1	205	2.9	FS	5
88SR 206				7.195	+	206			
88SR 207				7.208	(3,4+,2+)	207			
88SR 208				7.223	(+)	208			
88SR 209				7.255		209			
88SR 210		7.282	1-			210	0.55	FS	5
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88SR 211				7.300	(1)-	211	1.11	FS	16
88SR 212				7.331	(9)	212			
88SR 213				7.333		213			
88SR 214				7.360		214			
88SR 215				7.402		215			
88SR 216				7.427	+	216			
88SR 217				7.434	(10)	217			
88SR 218				7.460		218			
88SR 219				7.481		219			
88SR 220		7.493	1-			220	2.5	FS	7

88SR 221				7.526		221			
88SR 222		7.534	1-			222	0.32	FS	3
88SR 223				7.573	(3,4+,2+)	223			
88SR 224		7.591	1-			224	0.91	FS	15
88SR 225				7.623		225			
88SR 226				7.640		226			
88SR 227				7.642	(10)	227			
88SR 228				7.679		228			
88SR 229				7.749		229			
88SR 230				7.775	(11)	230			
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88SR 231		7.808	1-			231	0.54	FS	8
88SR 232		7.838	1-			232	0.221	FS	22
88SR 233				7.877	(1)-	233	0.65	FS	11
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S-alpha=		7.907	( 0.000)	-----					
88SR 234				7.909	(11)	234			
88SR 235				7.911		235			
88SR 236		7.964	1-			236	0.31	FS	3
88SR 237		7.988	1-			237	0.52	FS	7
88SR 238				8.003		238			
88SR 239		8.041	1-			239	0.138	FS	13
88SR 240				8.069	(0+,1+)	240			
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88SR 241				8.095	(12)	241	5.1	PS	LT
88SR 242		8.109	1-			242	0.54	FS	9
88SR 243				8.142		243			
88SR 244				8.171	(0+,1+)	244			
88SR 245		8.181	1-			245	0.48	FS	6
88SR 246		8.191	1-			246	0.33	FS	4
88SR 247		8.215	1-			247	0.35	FS	4
88SR 248				8.228		248			
88SR 249		8.271	1-			249	0.54	FS	9
88SR 250				8.276	(13)	250			
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88SR 251				8.302	(0+,1+)	251			
88SR 252		8.326	1-			252	0.39	FS	6
88SR 253				8.336	(12)	253	2.4	PS	LT
88SR 254				8.375		254			
88SR 255				8.376	1	255	1.2	FS	4
88SR 256				8.407	1	256	0.75	FS	16
88SR 257				8.437	(12)	257	0.55	PS	21
88SR 258		8.453	1-			258	0.20	FS	3
88SR 259		8.469	1-			259	0.62	FS	12
88SR 260				8.501	1	260	0.35	FS	5
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88SR 261				8.518		261			
88SR 262		8.519	1-			262	0.67	FS	15
88SR 263				8.553		263	1.7	FS	5
88SR 264				8.561		264	0.83	FS	18

88SR 265				8.581		265	1.0 FS	2
88SR 266				8.589		266	0.58 FS	12
88SR 267				8.626		267	1.3 FS	4
88SR 268				8.669	1	268	1.2 FS	2
88SR 269				8.682	1	269	2.5 FS	6
88SR 270		8.714	1-			270	0.6 FS	3
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88SR 271				8.736		271	0.74 FS	12
88SR 272				8.755	1	272	0.52 FS	9
88SR 273				8.765		273	2.4 FS	6
88SR 274				8.780		274	0.95 FS	18
88SR 275				8.792	1	275	0.97 FS	19
88SR 276				8.840		276	0.61 FS	11
88SR 277				8.851		277	2.9 FS	9
88SR 278				8.874	1	278	1.5 FS	3
88SR 279		8.929	1-			279	0.21 FS	3
88SR 280				8.936	(13)	280		
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88SR 281				8.981		281	0.67 FS	12
88SR 282				9.019		282	1.6 FS	4
88SR 283		9.044	1-			283	0.33 FS	9
88SR 284		9.070	1-			284	0.61 FS	11
88SR 285		9.078	1-			285	0.37 FS	6
88SR 286				9.098	1	286	1.2 FS	4
88SR 287				9.116		287	0.52 FS	8
88SR 288				9.125	1	288	0.34 FS	5
88SR 289		9.148	1-			289	0.183 FS	22
88SR 290		9.191	1-			290	0.123 FS	23
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88SR 291				9.214	1	291	0.72 FS	14
88SR 292				9.255	1	292	1.6 FS	6
88SR 293		9.306	1-			293	0.157 FS	22
88SR 294		9.341	1-			294	0.55 FS	9
88SR 295				9.385	1	295	0.71 FS	13
88SR 296				9.393	1	296	0.42 FS	7
88SR 297				9.402	1	297	0.55 FS	9
88SR 298				9.410	(13)	298		
88SR 299				9.432	1	299	0.58 FS	12
88SR 300		9.446	1-			300	0.163 FS	23
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88SR 301				9.470	(1-)	301	0.26 FS	4
88SR 302				9.479	1(-)	302	0.33 FS	9
88SR 303		9.497	1-			303	0.104 EV	12
88SR 304				9.528	(14)	304	0.28 PS	10
88SR 305				9.551		305	1.1 FS	4
88SR 306				9.568	1	306	0.44 FS	8
88SR 307				9.577		307	1.2 FS	3
88SR 308				9.598	1	308	1.1 FS	3
88SR 309				9.616	1	309	0.54 FS	10
88SR 310				9.646		310	1.8 FS	5

88SR 311		9.704	1-			311	0.23	FS	5
88SR 312					9.728	312	2.3	FS	10
88SR 313					9.738	313	0.72	FS	18
88SR 314		9.746	1-			314	0.18	FS	3
88SR 315					9.805	315	1.1	FS	3
88SR 316		9.816	1-			316	0.39	FS	7
88SR 317					9.881	317	0.26	FS	4
88SR 318		9.944	1-			318	0.46	FS	8
88SR 319					9.953	319	0.32	FS	5
88SR 320					9.966	320	0.52	FS	9
88SR 321					9.978	321	0.17	PS	+10-3

S-p = 10.613 ( 0.000)-----  
 S-n = 11.113 ( 0.000)-----  
 S-2p = 19.234 ( 0.000)-----  
 S-2n = 19.541 ( 0.000)-----  
 S-alpha= 7.907 ( 0.000)-----

S+p = -7.078 ( 0.000)  
 S+n = -6.359 ( 0.000)  
 S+2p = -15.429 ( 0.000)  
 S+2n = -14.172 ( 0.001)  
 S+alpha = -2.962 ( 0.000)

gap p = 3.534 ( 0.000)  
 gap n = 4.754 ( 0.000)  
 gap 2p = 3.805 ( 0.000)  
 gap 2n = 5.369 ( 0.001)  
 gap alpha = 4.945 ( 0.000)