

^{32}S $Z = 16$ $N = 16$ adopted link ENSDF link

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

BE = 271.780 (0.000) MeV

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

32S	1	0.000	0+				1	STABLE
32S	2	2.231	2+				2	169 FS 11
32S	3	3.778	0+				3	0.89 PS 9
32S	4	4.282	2+				4	42 FS 4
32S	5	4.459	4+				5	124 FS 27
32S	6	4.695	1+				6	286 FS 74
32S	7			5.006	3-		7	0.52 PS 3
32S	8	5.413	3+				8	148 FS 19
32S	9	5.549	2+				9	57 FS 8
32S	10			5.797	1-		10	5.6 FS 9

32S	11			6.223	2-		11	66 FS 12
32S	12	6.411	4+				12	24.3 FS 35
32S	13					6.582 (2+,3-)	13	
32S	14			6.622	4-		14	0.36 PS 6
32S	15	6.666	2+				15	40 FS 10
32S	16			6.762	5-		16	260 FS 35
32S	17	6.852	4+				17	66 FS 17

S-alpha=	6.948	(0.000)						
32S	18	7.001	1+				18	1.5 FS 5
32S	19	7.115	2+				19	1.73 FS 35
32S	20	7.190	1+				20	8.0 FS 21

32S	21	7.350	3(+)				21	
32S	22					7.367	22	
32S	23			7.434	1-		23	7.7 FS 10
32S	24	7.484	2+				24	4.9 FS 12
32S	25	7.536	0+				25	2.6 FS 7
32S	26	7.567	5+				26	150 FS 32
32S	27					7.637 1	27	
32S	28					7.648	28	
32S	29			7.701	3-		29	66 FS 19
32S	30	7.883	4+				30	

32S	31					7.885 0-,1-,2-	31	
32S	32	7.921	1+				32	
32S	33			7.950	4-		33	146 FS 35
32S	34			7.975	4-		34	21 FS LT
32S	35	8.125	1+				35	0.144 FS 21
32S	36					8.191 4	36	

32S	37					8.270	3-,5-	37	60	FS	LT
32S	38					8.281	(0:4)+	38			
32S	39			8.296	3-			39			
32S	40	8.343	2+					40			

32S	41	8.346	4+					41	28	FS	LT
32S	42					8.380		42			
32S	43					8.407	2	43			
32S	44			8.499	1-			44	1.30	FS	24
32S	45					8.672		45			
32S	46					8.684		46			
32S	47					8.688		47			
32S	48	8.729	3+					48			
32S	49					8.737		49			
32S	50					8.742		50			

32S	51					8.746	3	51			
32S	52					8.751		52			
32S	53					8.783		53			
32S	54					8.797		54			
32S	55					8.810		55			
32S	56					8.839		56			
32S	57	8.861	2+					57			
S-p	=	8.864	(0.000)	-----							
32S	58					8.895		58			
32S	59					8.906		59			
32S	60					8.922		60			

32S	61					8.942		61			
32S	62					8.945		62			
32S	63					8.954		63			
32S	64					8.977		64			
32S	65					8.985		65			
32S	66					9.007		66			
32S	67					9.009		67			
32S	68					9.013		68			
32S	69			9.024	4-			69	0.27	PS	6
32S	70					9.031		70			

32S	71					9.042		71			
32S	72					9.055		72			
32S	73			9.059	1-			73			
32S	74					9.065		74	14	FS	LT
32S	75					9.088		75			
32S	76					9.091		76			
32S	77					9.140		77			
32S	78					9.159		78			
32S	79	9.170	3+					79			
32S	80	9.196	2+					80			

32S	81					9.201		81		
32S	82	9.208	1+					82	4.2 FS	14
32S	83					9.211		83		
32S	84					9.211		84		
32S	85				9.235	1-		85	60 FS	LT
32S	86	9.253	2+					86		
32S	87					9.268		87		
32S	88					9.272		88		
32S	89					9.280	1	89		
32S	90					9.288		90		

32S	91	9.289	1+					91		
32S	92					9.297		92		
32S	93					9.309		93		
32S	94					9.317		94		
32S	95					9.345		95		
32S	96					9.358		96		
32S	97					9.361		97		
32S	98	9.388	2+					98		
32S	99					9.395		99		
32S	100					9.397		100		

32S	101					9.402		101		
32S	102					9.436		102		
32S	103					9.451		103		
32S	104					9.463	5-,7-	104	70 FS	LT
32S	105	9.466	2+					105	49 FS	LT
32S	106					9.481		106		
32S	107				9.486	1-		107	8.2 EV	25
32S	108					9.500		108		
32S	109					9.516		109		
32S	110					9.524		110		

32S	111					9.534		111		
32S	112					9.535		112		
32S	113					9.561		113		
32S	114					9.562	1-,2-	114		
32S	115					9.597		115		
32S	116					9.619		116		
32S	117					9.635	4-,6+	117	0.09 PS	6
32S	118				9.650	6-		118		
32S	119	9.650	2+					119		
32S	120					9.655		120		

32S	121					9.657		121		
32S	122	9.660	1+					122	2.4 EV	7
32S	123					9.665		123		
32S	124					9.672		124		
32S	125					9.675		125		
32S	126					9.693		126		

32S 127						9.704		127	
32S 128		9.712		2+				128	3.6 EV
32S 129						9.724	2,3,4	129	
32S 130						9.728		130	

32S 131						9.731	1-,2-	131	
32S 132						9.783	6	132	0.14 FS +13-11
32S 133						9.810		133	
32S 134						9.817	3-,4-	134	
32S 135						9.827		135	
32S 136				9.848		1-		136	0.100 KEV 10
32S 137						9.883		137	
32S 138						9.887	2+,3+	138	0.010 KEV 5
32S 139		9.919		2+				139	0.010 KEV 5
32S 140						9.935	1	140	

32S 141				9.947		1-		141	0.150 KEV 15
32S 142						9.978	4	142	
32S 143						9.978	3	143	
32S 144						9.983	2,0+	144	0.100 KEV 10
32S 145						9.988	3-,4-	145	4 KEV AP
32S 146						9.997		146	
32S 147						10.021	3-,4-	147	
32S 148				10.073		2-		148	1.50 KEV 15
32S 149						10.079	(1)	149	1.7 KEV 4
32S 150				10.090		2-		150	

32S 151		10.102		4(+)				151	
32S 152						10.113		152	
32S 153		10.219		3+				153	0.010 KEV 5
32S 154				10.221		3-		154	0.056 KEV 10
32S 155						10.225		155	0.18 KEV 2
32S 156		10.230		1+				156	0.025 KEV 3
32S 157				10.256		4-		157	0.035 KEV 4
32S 158		10.276		4+				158	
32S 159				10.286		3-		159	0.16 KEV 2
32S 160						10.290	2	160	0.125 KEV 13

32S 161						10.292	3	161	0.07 KEV 1
32S 162						10.310		162	
32S 163				10.331		1-		163	6.1 KEV 7
32S 164						10.337		164	9 KEV 2
32S 165		10.369		(0+)				165	5.8 KEV
32S 166		10.371		2+				166	0.025 KEV 3
32S 167				10.397		4-		167	0.012 KEV 2
32S 168						10.405		168	11 KEV 4
32S 169						10.428	2+,3+,3-,	169	
32S 170		10.456		1+				170	2.9 KEV

32S 171		10.500		(0+)				171	1.7 KEV

32S 172				10.508		172	0.010 KEV	5	
32S 173				10.534	3-,4-	173	1.8 KEV		
32S 174				10.556		174			
32S 175		10.570	(0+)			175	1.2 KEV		
32S 176		10.574	5+			176	0.015 KEV	2	
32S 177					10.604	177	0.15 KEV	2	
32S 178					10.624	3-,4-	178	3.1 KEV	
32S 179					10.636	179			
32S 180				10.658	(1-)	180	2.3 KEV		

32S 181					10.696	181	0.18 KEV	2	
32S 182				10.700	1-	182	21 KEV	4	
32S 183					10.705	1-,2-	183	20 KEV	3
32S 184		10.745	(0+)			184	8.9 KEV		
32S 185		10.757	3(+)			185	0.05 KEV	1	
32S 186		10.779	2+			186	0.62 KEV	7	
32S 187					10.784	187	0.75 KEV	8	
32S 188					10.785	188	0.60 KEV	6	
32S 189					10.791	1	189	0.17 KEV	2
32S 190					10.806	2	190		

32S 191					10.816	(3-,5-)	191	4.7 KEV	
32S 192				10.825	2-	192	22 KEV	4	
32S 193					10.827	193	0.32 KEV	3	
32S 194					10.830	194	4 KEV	AP	
32S 195					10.832	2,(3)	195	2.5 KEV	AP
32S 196					10.841	2	196	0.4 KEV	AP
32S 197					10.851	1	197		
32S 198		10.868	(2+)			198	7.7 KEV		
32S 199				10.880	6-	199			
32S 200		10.907	1+			200	2.1 KEV		

32S 201					10.915	201			
32S 202					10.934	3	202		
32S 203					10.941	1	203		
32S 204		10.956	(0+)			204	2.9 KEV		
32S 205					10.977	(1-,2-)	205		
32S 206				10.980	6-	206			
32S 207					10.998	(4)	207		
32S 208		11.010	4+			208			
32S 209					11.020	(1-,2-)	209		
32S 210					11.052	(4)	210		

32S 211		11.064	2+			211			
32S 212					11.078	2	212		
32S 213				11.092	3-	213			
32S 214		11.107	(2+)			214	67.4 KEV		
32S 215					11.114	215			
32S 216					11.123	216			
32S 217		11.130	(0+)			217	1.8 KEV		

32S 218						11.131 1	218	
32S 219		11.140	1+				219	
32S 220					11.170	6-	220	

32S 221							221	
32S 222						11.198 3-,4-	222	9 KEV
32S 223					11.254	(3-)	223	1.1 KEV
32S 224						11.333	224	
32S 225						11.366	225	
32S 226					11.410	(3-)	226	1.9 KEV
32S 227						11.425 1	227	4 KEV AP
32S 228						11.438	228	
32S 229						11.475 3	229	
32S 230		11.486	1+				230	

32S 231						11.554 (0,1)	231	6.1 KEV
32S 232					11.590	1-	232	10.7 KEV
32S 233						11.602	233	
32S 234		11.620	1+				234	
32S 235						11.629 (1,2+,3-)	235	5.7 KEV
32S 236						11.637	236	
32S 237						11.648 1	237	6.6 KEV
32S 238						11.660	238	
32S 239		11.670	5+				239	
32S 240					11.690	(3-)	240	1.2 KEV

32S 241		11.697	5+				241	
32S 242						11.720	242	
32S 243						11.750 1	243	
32S 244						11.759	244	
32S 245						11.783 1	245	30 KEV
32S 246						11.806 1,2	246	
32S 247						11.823 1-,2-	247	
32S 248					11.848	(3-)	248	10.4 KEV
32S 249						11.861	249	
32S 250						11.876	250	

32S 251						11.883 1	251	7.6 KEV
32S 252						11.900	252	
32S 253					11.936	3-	253	7.3 KEV
32S 254					11.940	6-	254	86 KEV 24
32S 255						11.940 3	255	
32S 256						11.955 (2+,3-)	256	3.2 KEV
32S 257						12.002 2	257	11.8 KEV
32S 258						12.030	258	
32S 259						12.044	259	
32S 260						12.044 2,3,4	260	

32S 261		12.048	0+				261	
32S 262						12.050 (2+,3-)	262	

32S 263						12.124 2		263	6.9 KEV	
32S 264						12.160 (3+,2+)		264	22 KEV	
32S 265				12.196		1-		265		
32S 266				12.198		(3-)		266	6.4 KEV	
32S 267						12.235 (2+,3+)		267		
32S 268						12.260 [3-]		268		
32S 269						12.270 0		269	21 KEV	
32S 270						12.308		270		

32S 271						12.340		271		
32S 272						12.362 3,(2)		272	4.8 KEV	
32S 273						12.393 3		273	7.7 KEV	
32S 274						12.426 3,2		274	13.9 KEV	
32S 275						12.465 2		275	7.8 KEV	
32S 276						12.491 (2,1)		276	18.6 KEV	
32S 277						12.510 [3-]		277		
32S 278						12.553 2		278	8.4 KEV	
32S 279						12.560 1		279		
32S 280						12.568 2		280	3.0 KEV	

32S 281						12.600 3,2		281	7.9 KEV	
32S 282				12.630		6-		282		
32S 283		12.650		1+				283	0.10 MEV	LT
32S 284						12.710 (5-,3-)		284	5 KEV	
32S 285				12.740		6-		285		
32S 286		12.760		6+				286	84 KEV	24
32S 287		12.770		(2+)				287	10 KEV	
32S 288				12.830		(3-)		288	1 KEV	
32S 289				12.860		(3-)		289	38 KEV	
32S 290				12.910		(3-)		290	8 KEV	

32S 291				12.930		(3-)		291	29 KEV	5
32S 292		12.980		1+				292		
32S 293		13.040		(4+)				293	47 KEV	LT
32S 294				13.086		(3-)		294	26 KEV	7
32S 295							13.220 [3-]	295	0.06 MEV	LT
32S 296							13.230 1	296		
32S 297				13.260		6-		297		
32S 298				13.268		(3-)		298	49 KEV	3
32S 299				13.339		(3-)		299	28.8 KEV	13
32S 300							13.410 1+,(2-)	300		

32S 301							13.430 3-,4-	301		
32S 302				13.490		(3-)		302	54 KEV	5
32S 303				13.540		5-		303		
32S 304				13.588		(3-)		304	18 KEV	4
32S 305				13.655		(3-)		305	74 KEV	2
32S 306							13.696 (4+,3-)	306	23.6 KEV	9
32S 307		13.760		6+				307	50 KEV	24
32S 308		13.780		1+				308		

32S	309				13.807	(3-)			309	47.4 KEV	8
32S	310							13.870 (5-,3-)	310	22.0 KEV	11

32S	311		13.896	(4+)					311	22.4 KEV	1
32S	312							13.900 1	312		
32S	313							13.970 1+,(2-)	313		
32S	314					14.000	(7-)		314	50 KEV	24
32S	315					14.070	(3-)		315	29.6 KEV	7
32S	316					14.131	(5-)		316	15.2 KEV	6
32S	317		14.177	(4+)					317	42.0 KEV	11
32S	318					14.234	(3-)		318	89 KEV	2
32S	319					14.290	6-		319		
32S	320					14.429	(3-)		320	40 KEV	2

32S	321		14.450	1+					321		
32S	322							14.542 (4+,5-)	322	84.5 KEV	11
32S	323					14.633	(5-)		323	7.0 KEV	9
32S	324							14.730 [4+]	324		
32S	325					14.770	2-		325	0.08 MEV	LT
32S	326		14.810	(8+)					326	91 KEV	24
32S	327		14.832	(4+)					327	37.5 KEV	5
32S	328		14.878	(4+)					328	25.5 KEV	7
32S	329							14.880 1	329		
32S	330		15.025	(4+)					330	30.5 KEV	11

32S	331							15.040 1	331		
S-n	=	15.044	(0.000)	-----							
32S	332					15.116	(5-)		332	36 KEV	2
32S	333		15.200	6+					333	119 KEV	24
32S	334							15.230 (4+,5-)	334	18 KEV	2
32S	335					15.344	(5-)		335	45.9 KEV	1
32S	336					15.385	(5-)		336	24.5 KEV	6
32S	337					15.441	(5-)		337	34.3 KEV	3
32S	338					15.527	(5-)		338	46.8 KEV	3
32S	339							15.580 1	339		
32S	340							15.600	340		

32S	341					15.631	(5-)		341	29.9 KEV	3
32S	342							15.686 (5-,6+)	342	35.9 KEV	1
32S	343							15.700 1	343		
32S	344							15.758 (6+,5-)	344	41.0 KEV	9
32S	345							15.840 1	345		
32S	346							15.847 (4+,5-)	346	47 KEV	2
32S	347							15.894 (5-,4+)	347	28.0 KEV	8
32S	348		15.955	(6+)					348	21.6 KEV	5
32S	349					16.052	(5-)		349	54 KEV	2
S-2p	=	16.160	(0.000)	-----							
32S	350		16.243	(6+)					350	41.3 KEV	8

32S	351							16.250 [5-]	351		

32S	352				16.310	6-			352		
32S	353				16.341	(5-)			353	86 KEV	2
32S	354							16.370 [5-]	354		
32S	355				16.430	6-			355		
32S	356				16.495	(5-)			356	64 KEV	3
32S	357		16.615	(6+)					357	60 KEV	2
32S	358				16.650	6-			358		
32S	359							16.691 (5-,6+)	359	23 KEV	2
32S	360		16.747	(6+)					360	45 KEV	2

32S	361		16.795	(6+)					361	76 KEV	6
32S	362		16.866	(6+)					362	38.1 KEV	6
32S	363		16.920	(6+)					363	35.0 KEV	8
32S	364		16.978	(6+)					364	47 KEV	3
32S	365		17.080	(6+)					365	58.0 KEV	14
32S	366				17.120	6-			366		
32S	367				17.180	6-			367		
32S	368				17.250	(5-)			368	92 KEV	14
32S	369				17.393	(7-)			369	35 KEV	6
32S	370							17.420 [7-]	370		

32S	371							17.570 [7-]	371		
32S	372				17.656	(7-)			372	36 KEV	2
32S	373				17.688	(7-)			373	26 KEV	2
32S	374							17.868 (6+,7-)	374	82 KEV	7
32S	375							17.880 [7-]	375		
32S	376				17.934	(7-)			376	48 KEV	4
32S	377				18.042	(7-)			377	44 KEV	2
32S	378				18.213	(7-)			378	76 KEV	7
32S	379							18.400 [9-]	379		
32S	380				18.458	(7-)			380	66 KEV	5

32S	381				18.554	(7-)			381	73.6 KEV	14
32S	382				18.660	(7-)			382	74 KEV	5
32S	383				18.736	(7-)			383	75 KEV	6
32S	384							18.803 (8+,7-)	384	46 KEV	3
32S	385							18.810 [7-]	385		
32S	386							18.986 (8+,7-)	386	34 KEV	2
32S	387							19.119 (8+,7-)	387	84 KEV	7
32S	388							19.190 [7-]	388		
32S	389		19.248	(8+)					389	54 KEV	10
32S	390							19.250 [7-]	390		

32S	391							19.442 (7-,8+)	391	72 KEV	2
32S	392							19.450 [7-]	392		
32S	393		19.551	(8+)					393	75 KEV	18
32S	394		19.653	(8+)					394	54 KEV	2
32S	395							19.747 (8+,7-)	395	79 KEV	9

S-p = 8.864 (0.000) -----
S-n = 15.044 (0.000) -----
S-2p = 16.160 (0.000) -----
S-2n = 28.099 (0.000) -----
S-alpha= 6.948 (0.000) -----

S+p = -2.277 (0.000)
S+n = -8.642 (0.000)
S+2p = -6.941 (0.000)
S+2n = -20.059 (0.000)
S+alpha = -6.641 (0.000)

gap p = 6.587 (0.000)
gap n = 6.403 (0.000)
gap 2p = 9.220 (0.000)
gap 2n = 8.040 (0.000)
gap alpha = 0.307 (0.000)