

^{26}Mg $Z = 12$ $N = 14$ adopted link ENSDF link

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

BE = 216.681 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
26MG 1	0.000	0+			1 STABLE
26MG 2	1.809	2+			2 476 FS 21
26MG 3	2.938	2+			3 141 FS 8
26MG 4				3.083	4
26MG 5				3.420	5
26MG 6				3.565	6
26MG 7	3.589	0+			7 6.45 PS 48
26MG 8	3.942	3+			8 0.83 PS 12
26MG 9	4.319	4+			9 272 FS 16
26MG 10	4.333	2+			10 20 FS 3
26MG 11	4.350	3+			11 105 FS 28
26MG 12				4.645	12
26MG 13	4.835	2+			13 28 FS 6
26MG 14	4.901	4+			14 29 FS 6
26MG 15	4.972	0+			15 446 FS 70
26MG 16				5.181	16
26MG 17	5.292	2+			17 10 FS LT
26MG 18	5.476	4+			18 21 FS 6
26MG 19	5.691	(1+)			19 8 FS LT
26MG 20				5.711 (1+,2+)	20
26MG 21	5.716	4+			21 53 FS 16
26MG 22	6.125	3+			22 14 FS 6
26MG 23	6.256	0+			23 53 FS 31
26MG 24				6.483	24
26MG 25	6.623	(4+)			25 19 FS 5
26MG 26				6.634	26 7 FS LE
26MG 27	6.745	2+			27 16 FS 8
26MG 28			6.876 3-		28 83 FS 35
26MG 29				6.952	29
26MG 30	6.972	(4+)			30
26MG 31	6.978	(5+)			31 14 FS 5
26MG 32			7.062 1-		32 7 FS LE
26MG 33	7.100	2+			33 14 FS LE
26MG 34				7.200 (0,1)+	34
26MG 35	7.246	3+			35 7 FS LE
26MG 36				7.261	36 7 FS LE
26MG 37			7.283 (4-)		37 24 FS 8

26MG	38			7.349	3-		38		
26MG	39	7.371	2+				39		
26MG	40	7.396	(5+)				40	14 FS	LE

26MG	41					7.428 (0,1)+	41		
26MG	42			7.542	(2-)		42	7 FS	LE
26MG	43	7.677	(4+)				43	11 FS	LE
26MG	44			7.697	1(-)		44		
26MG	45	7.726	3+				45		
26MG	46	7.774	(4+)				46	7 FS	LE
26MG	47					7.818 (2,3)+	47		
26MG	48			7.824	3-		48		
26MG	49	7.840	2+				49		
26MG	50					7.851	50		

26MG	51			7.950	5-		51	14 FS	6
26MG	52					8.034	52		
26MG	53	8.052	2(+)				53		
26MG	54			8.185	3-		54		
26MG	55	8.201	(6+)				55	14 FS	LE
26MG	56			8.227	1-		56	1.0 FS	2
26MG	57	8.251	(3+)				57		
26MG	58					8.399	58		
26MG	59	8.459	3+				59		
26MG	60					8.464	60		

26MG	61	8.472	(6+)				61	14 FS	LE
26MG	62			8.504	1-		62		
26MG	63	8.532	(2+)				63		
26MG	64					8.576	64		
26MG	65			8.625	5-		65	29 FS	6
26MG	66					8.670 (3,5)	66	7 FS	LE
26MG	67	8.706	(2 TO 4)+				67		
26MG	68	8.864	2+				68		
26MG	69	8.904	(2+)				69		
26MG	70					8.930	70		

26MG	71			8.959	1-		71		
26MG	72					9.020	72		
26MG	73	9.043	3(+)				73		
26MG	74	9.064	5+				74	7 FS	LE
26MG	75	9.111	6+				75	11 FS	LE
26MG	76					9.139 1	76		
26MG	77			9.169	(6-)		77	26 FS	8
26MG	78					9.206	78		
26MG	79	9.239	1(+)				79	314 AS	40
26MG	80	9.261	(4+)				80		

26MG	81	9.281	(2+)				81		
26MG	82					9.291	82		

26MG 83						9.304		83		
26MG 84						9.316		84		
26MG 85		9.326	(2+ TO		+)			85		
26MG 86		9.371	4+					86		
26MG 87		9.383	6+					87	7 FS	LE
26MG 88		9.428	3+					88		
26MG 89		9.471	(1 TO 5		+)			89		
26MG 90		9.540	5+					90	14 FS	LE

26MG 91		9.564	1+					91	563 AS	99
26MG 92					9.574	(2- TO	4)	92		
26MG 93		9.579	4+					93		
26MG 94							9.590	94		
26MG 95					9.617	(1 TO 3)	-	95		
26MG 96		9.681	(0 TO 5		+)			96		
26MG 97							9.714	97		
26MG 98					9.771	1(-)		98		
26MG 99							9.771	99		
26MG 100		9.779	1+					100		

26MG 101							9.814	101		
26MG 102							9.830 (5,7)	102	37 FS	10
26MG 103		9.857	2+					103		
26MG 104							9.883	104		
26MG 105		9.900	3+					105		
26MG 106							9.927	106		
26MG 107							9.939	107		
26MG 108		9.967	2+					108		
26MG 109							9.982	109		
26MG 110		9.989	(6+)					110	7 FS	LE

26MG 111					10.040	5-		111		
26MG 112							10.069	112		
26MG 113					10.102	1-		113		
26MG 114		10.127	4+					114		
26MG 115							10.136	115		
26MG 116		10.147	1+					116	112 AS	15
26MG 117		10.159	0+					117		
26MG 118							10.184	118		
26MG 119							10.220	119		
26MG 120							10.234	120		

26MG 121		10.271	2+					121		
26MG 122		10.319	1+					122	345 AS	83
26MG 123							10.328	123		
26MG 124							10.341	124		
26MG 125		10.349	(0+ TO		+)			125		
26MG 126		10.362	(2+ TO		+)			126		
26MG 127							10.377	127		
26MG 128							10.400	128		

26MG 129		10.414	4+					129
26MG 130							10.487	130

26MG 131		10.493	2+					131
26MG 132		10.516	(2+)					132
26MG 133							10.529	133
26MG 134							10.567	134
26MG 135					10.573		1-	135 0.20 EV 5
26MG 136							10.576	136
26MG 137		10.600	(1+ TO		+)			137

S-alpha= 10.615 (0.000) -----								
26MG 138		10.647	1+					138 97 AS 5
26MG 139					10.650		(4- TO 7-)	139 21 FS 6
26MG 140							10.682	140

26MG 141							10.693	141
26MG 142							10.707	142
26MG 143							10.719	143
26MG 144							10.726	144
26MG 145							10.746	145
26MG 146							10.767	146
26MG 147		10.806	(0+ TO		+)			147
26MG 148		10.824	(2+)					148
26MG 149							10.881	149
26MG 150							10.893	150

26MG 151							10.915	151
26MG 152							10.927 +	152
26MG 153							10.945	153
26MG 154					10.949		1-	154 1.87 EV 30
26MG 155							10.978	155
26MG 156							10.998	156
26MG 157							11.012	157
26MG 158							11.048	158
26MG 159							11.084	159

S-n = 11.093 (0.000) -----								
26MG 160		11.114	(2+)					160

26MG 161							11.142	161
26MG 162		11.153	1+					162
26MG 163		11.163	2+					163 5.08 KEV 8
26MG 164		11.169	(3+)					164 1.56 KEV 8
26MG 165							11.171	165
26MG 166					11.183		(1-)	166 0.6 EV 2
26MG 167		11.189	3+					167 5.24 KEV 4
26MG 168							11.191	168
26MG 169							11.197	169 2 EV 1
26MG 170					11.243		(2-)	170 5.520 KEV 20

26MG 171		11.274	(2)+					171 0.590 KEV 20

26MG 172				11.280	4(-)		172	1.730 KEV	20	
26MG 173				11.286	1-		173	1.41 KEV	6	
26MG 174		11.286	(2+)				174	0.7 EV	7	
26MG 175					11.289	(2-)		175	2 EV	1
26MG 176							11.293	176	0.230 EV	20
26MG 177					11.296	(2-)		177	12.40 KEV	10
26MG 178					11.311	(1-)		178	0.4 EV	2
26MG 179					11.326	(1-)		179	0.3 EV	2
26MG 180					11.328	(1-)		180	50 EV	20

26MG 181							11.329	181		
26MG 182					11.337	(1-)		182	0.1 EV	1
26MG 183					11.345	4(-)		183	3.49 KEV	6
26MG 184		11.362	(2+)					184	3.29 KEV	5
26MG 185		11.393	(5+)					185	240 EV	10
26MG 186		11.441	4+					186	2.020 KEV	40
26MG 187							11.457	187		
26MG 188					11.466	(5-)		188	8.91 KEV	8
26MG 189					11.500	(1-)		189	25 EV	10
26MG 190					11.527	(3-)		190	3.00 KEV	10

26MG 191							11.570	191		
26MG 192					11.588	(2-)		192	1.80 KEV	10
26MG 193					11.608	(4-)		193	0.84 KEV	4
26MG 194							11.611	194		
26MG 195							11.630	195		
26MG 196							11.646	196	3 KEV	LT
26MG 197							11.749	197		
26MG 198							11.795	198	3 KEV	LT
26MG 199							11.827	199	3 KEV	LT
26MG 200							11.890	200	3 KEV	LT

26MG 201							11.909	201	6 KEV	1
26MG 202					11.945	(6-)		202		
26MG 203							12.049	203	6 KEV	2
26MG 204							12.088	204		
26MG 205							12.110	205	25 KEV	2
26MG 206							12.141	206	15 KEV	2
26MG 207							12.196	207		
26MG 208							12.345 0	208	40 KEV	5
26MG 209					12.479	(6-)		209		
26MG 210					12.865	(6-)		210		

26MG 211							12.958	211		
26MG 212							13.958	212		

S-p	=	14.146	(0.001)	-----						
26MG 213					14.542	(6-)		213		
26MG 214					16.580	(6-)		214		
26MG 215					18.050 2	(6-)		215		

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S-p    = 14.146 ( 0.001) -----  
S-n    = 11.093 ( 0.000) -----  
S-2p   = 24.841 ( 0.001) -----  
S-2n   = 18.424 ( 0.000) -----  
S-alpha= 10.615 ( 0.000) -----  
  
S+p    = -8.271 ( 0.000)  
S+n    = -6.443 ( 0.000)  
S+2p   = -19.856 ( 0.000)  
S+2n   = -14.948 ( 0.000)  
S+alpha = -10.643 ( 0.000)  
  
gap p   = 5.874 ( 0.001)  
gap n   = 4.650 ( 0.000)  
gap 2p  = 4.985 ( 0.001)  
gap 2n  = 3.476 ( 0.000)  
gap alpha = -0.029 ( 0.000)
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