

^{29}Si $Z = 14$ $N = 15$ adopted link ENSDF link

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

BE = 245.010 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
29SI 1	0.000	1/2+			1 STABLE
29SI 2	1.273	3/2+			2 291 FS 10
29SI 3	2.028	5/2+			3 306 FS 10
29SI 4	2.426	3/2+			4 18.1 FS 7
29SI 5	3.067	5/2+			5 33 FS 1
29SI 6			3.623	7/2-	6 2.63 PS 9
29SI 7	4.080	7/2+			7 44 FS 12
29SI 8				4.741 (9/2+)	8 36 FS 7
29SI 9	4.840	1/2+			9 3.5 FS LT
29SI 10	4.895	5/2+			10 12 FS 5
29SI 11			4.934	3/2-	11 0.84 FS 12
29SI 12				5.254 (9/2-)	12 82 FS 4
29SI 13	5.285	7/2+			13 6 FS 3
29SI 14	5.652	9/2+			14 51 FS 3
29SI 15	5.812	7/2+			15 32 FS 12
29SI 16	5.947	3/2+			16 10 FS LT
29SI 17				6.107 5/2	17 21 FS 3
29SI 18			6.193	7/2-	18 17 FS 3
29SI 19			6.381	1/2-	19 0.36 FS 11
29SI 20				6.423 (7/2+)	20 14 FS LT
29SI 21	6.496	1/2+ 5/2+			21 24 FS LT
29SI 22	6.522	5/2+			22 10 FS LT
29SI 23				6.615 (9/2+)	23 14 FS LT
29SI 24	6.696	1/2+			24
29SI 25				6.710 (5/2+)	25 62 FS LT
29SI 26				6.713 (3/2)	26
29SI 27				6.781 (11/2-)	27 15 FS 2
29SI 28				6.909 (1/2+, 3/2)	28
29SI 29				6.921 (7/2+)	29 14 FS LT
29SI 30				7.014 (5/2-, 7/2-)	30 32 FS 10
29SI 31	7.058	1/2+			31 15 FS LT
29SI 32				7.072 (3/2+, 5/2+)	32 10.4 FS LT
29SI 33				7.139 (11/2+)	33 29 FS 10
29SI 34				7.182 (3/2)	34
29SI 35				7.197 (3/2, 5/2)	35
29SI 36				7.523 (1/2, 3/2)	36 14 FS LT
29SI 37				7.622 (5/2-, 7/2-)	37 10.4 FS LT
29SI 38				7.692 (1/2+, 3/2+)	38

29SI	39				7.767	(3/2,5/2)	39	14	FS	LT
29SI	40				7.787	(7/2+)	40	15	FS	8

29SI	41				7.892		41			
29SI	42				7.987	(9/2)	42	14	FS	LT
29SI	43				7.997	(3/2-)	43			
29SI	44				8.138		44			
29SI	45				8.161		45	14	FS	LT
29SI	46				8.173	(11/2+)	46	14	FS	LT
29SI	47				8.209	(3/2+)	47	14	FS	LT
29SI	48				8.270	(5/2-,7/2-)	48			
29SI	49		8.290 3/2 5/2+				49			
29SI	50				8.331		50	10.4	FS	LT

29SI	51				8.349		51			
29SI	52				8.371		52			
29SI	53				8.418	(3/2)	53			
S-n	=	8.474	(0.000)	-----						
29SI	54				8.476		54	10.4	FS	LT
29SI	55				8.507	(3/2+,5/2+)	55			
29SI	56				8.529		56			
29SI	57				8.541		57			
29SI	58				8.558		58			
29SI	59				8.603		59			
29SI	60				8.609		60	15	FS	LT

29SI	61				8.610		61	15	FS	LT
29SI	62				8.622		62	15	FS	LT
29SI	63				8.641		63	14	FS	LT
29SI	64				8.655		64	60	KEV	7
29SI	65				8.670		65	15	FS	LT
29SI	66				8.762		66	19	FS	4
29SI	67				8.854		67			
29SI	68				8.865		68	29	FS	10
29SI	69				8.909		69			
29SI	70				8.959		70			

29SI	71				9.019		71			
29SI	72				9.151		72			
29SI	73				9.157		73			
29SI	74				9.219		74			
29SI	75				9.252		75			
29SI	76				9.298		76			
29SI	77				9.326		77	14	FS	LT
29SI	78				9.392		78			
29SI	79				9.413		79			
29SI	80				9.518		80			

29SI	81		9.630 3/2 1/2+				81			
29SI	82				9.667		82			

29SI	83				9.683	83
29SI	84				9.765	84
29SI	85				9.779	85
29SI	86				9.850	86
29SI	87				9.943	87
29SI	88				9.952	88
29SI	89				9.987	89

S-p = 12.333 (0.000)-----
 S-n = 8.474 (0.000)-----
 S-2p = 21.886 (0.000)-----
 S-2n = 25.653 (0.000)-----
 S-alpha= 11.127 (0.000)-----

S+p = -5.595 (0.000)
 S+n = -10.609 (0.000)
 S+2p = -11.725 (0.000)
 S+2n = -17.197 (0.000)
 S+alpha = -7.116 (0.000)

gap p = 6.739 (0.000)
 gap n = -2.136 (0.000)
 gap 2p = 10.161 (0.000)
 gap 2n = 8.457 (0.000)
 gap alpha = 4.011 (0.000)