

$^{32}\text{Si}$        $Z = 14$        $N = 18$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 271.407 ( 0.000) MeV

Qbeta- = 0.227 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
32SI 1	0.000	0+			1 153 Y 19
32SI 2	1.941	2+			2 0.63 PS 17
32SI 3	4.231	2+			3 0.26 PS 9
32SI 4	4.984	0+			4 0.30 PS LT
32SI 5				5.220 (1 T0 4)	5 80 FS LT
32SI 6			5.289 3-		6 152 FS 35
32SI 7	5.412	2+			7 50 FS LT
32SI 8				5.502 (4+,5-)	8
32SI 9				5.581 (5-)	9 27 NS 2
32SI 10				5.773 (1,2,3)	10 139 FS LT
32SI 11				5.786 (0,1,2)+	11 0.8 PS GE
32SI 12				5.893	12
32SI 13				5.954 (2,3-)	13 55 FS LE
32SI 14				6.170 (2+)	14 55 FS LE
32SI 15				6.195 1(-)	15 38 FS LE
32SI 16	6.242	0+			16 55 FS LE
32SI 17	6.388	2+			17 42 FS LT
32SI 18			6.477 3-		18
32SI 19			6.705 1-		19
32SI 20			6.860 3-		20
32SI 21	7.083	2+			21
32SI 22				7.482	22
32SI 23				7.743	23
32SI 24				7.793 3-,4+	24
32SI 25				7.887	25
32SI 26			7.978 3-		26
32SI 27	8.066	2+			27
32SI 28			8.321 5-		28
32SI 29	8.361	2+			29
32SI 30				8.422	30
32SI 31			8.567 3-		31
32SI 32	8.650	2+			32
32SI 33				8.758 3-,4+	33
32SI 34				8.842	34
32SI 35				8.877	35
32SI 36				8.971	36
32SI 37				9.003	37

32SI	38				9.192		38
S-n	=	9.200	(	0.000)	-----		
32SI	39				9.543		39
32SI	40				9.701		40
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32SI	41				9.782		41
32SI	42				9.934		42
32SI	43				9.975		43
32SI	44				10.052		44
32SI	45				10.237		45
32SI	46				10.279		46
32SI	47				10.317		47
32SI	48				10.461		48
32SI	49				10.603		49
32SI	50				10.664		50
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32SI	51				10.725		51
32SI	52				10.778		52
32SI	53				10.846		53
32SI	54				10.888		54
32SI	55				10.971		55
32SI	56				11.398		56
32SI	57				11.454		57

S-p = 16.416 ( 0.002)-----  
S-n = 9.200 ( 0.000)-----  
S-2p = 29.772 ( 0.003)-----  
S-2n = 15.787 ( 0.000)-----  
S-alpha= 11.484 ( 0.002)-----

S+p = -9.549 ( 0.001)  
S+n = -4.508 ( 0.001)  
S+2p = -20.432 ( 0.000)  
S+2n = -12.022 ( 0.014)  
S+alpha = -9.011 ( 0.000)

gap p = 6.867 ( 0.003)  
gap n = 4.692 ( 0.001)  
gap 2p = 9.340 ( 0.003)  
gap 2n = 3.766 ( 0.014)  
gap alpha = 2.472 ( 0.002)