

^{33}Si $Z = 14$ $N = 19$ [link to full NNDC output](#)

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

BE = 275.915 (0.001) MeV

Qbeta- = 5.823 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
33SI 1	0.000	3/2+			1 6.11 S 21
33SI 2	1.010	1/2+			2
33SI 3			1.435	7/2-	3 10.2 NS 3
33SI 4				1.981 (3/2-)	4
33SI 5				3.159 (9/2-)	5
33SI 6				4.090 (11/2-)	6
33SI 7				4.341 3/2+,5/2+	7
S-n =	4.508 (0.001)	-----			
33SI 8				4.931 (11/2-)	8
33SI 9				5.480	9

S-p = 16.704 (0.007)-----

S-n = 4.508 (0.001)-----

S-2p = 31.970 (0.003)-----

S-2n = 13.708 (0.001)-----

S-alpha= 12.336 (0.011)-----

S+p = -11.323 (0.001)

S+n = -7.514 (0.014)

S+2p = -22.910 (0.001)

S+2n = -10.020 (0.036)

S+alpha = -8.807 (0.001)

gap p = 5.381 (0.007)

gap n = -3.006 (0.014)

gap 2p = 9.060 (0.003)

gap 2n = 3.688 (0.036)

gap alpha = 3.529 (0.011)