

$^{39}\text{Si}$        $Z = 14$        $N = 25$       [link to full NNDC output](#)

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

BE = 301.508 ( 0.136) MeV

Qbeta- = 15.095 ( 0.176) MeV

	Energy T	J+	J-	J-other	T1/2
39SI 1				0.000 (5/2-)	1 47.5 MS 20
39SI 2				0+X	2
39SI 3				0.171 (7/2-)	3 0.97 NS 7
39SI 4				0.399	4
39SI 5				0.702	5
39SI 6				0.828	6
39SI 7				0.879 (3/2+)	7
39SI 8				1.307	8
S-n =	1.581 ( 0.171)				
39SI 9				1.722	9

S-p = 21.178 ( 0.398)-----

S-n = 1.581 ( 0.171)-----

S-2p = 40.469 ( 0.712)-----

S-2n = 7.251 ( 0.177)-----

S-alpha= 15.744 ( 0.302)-----

S+p = -17.724 ( 0.205)

S+n = -4.962 ( 0.371)

S+2p = -35.907 ( 0.136)

S+2n = -6.343 ( 0.571)

S+alpha = -16.941 ( 0.136)

gap p = 3.455 ( 0.448)

gap n = -3.381 ( 0.408)

gap 2p = 4.562 ( 0.725)

gap 2n = 0.907 ( 0.598)

gap alpha = -1.196 ( 0.331)