

$^{35}\text{Si}$        $Z = 14$        $N = 21$       adopted link      ENSDF link

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

BE = 285.935 ( 0.036) MeV

Qbeta- = 10.466 ( 0.036) MeV

	Energy T	J+	J-	J-other	T1/2
35SI 1				0.000 (7/2)-	1 0.78 S 12
35SI 2				0.910 (3/2)-	2 55 PS 14
35SI 3				0.974 (3/2+)	3 5.9 NS 6
35SI 4				1.444 (1/2+)	4
35SI 5	1.689	1/2+			5
35SI 6				1.970	6
35SI 7				2.044 (1/2)-	7
35SI 8	2.168	5/2+			8
35SI 9				2.194 (1/2-,3/2-)	9
35SI 10				2.275	10
35SI 11				2.377	11
S-n =	2.471 ( 0.036)				
35SI 12				3.140	12
35SI 13				3.450	13
35SI 14				3.611	14
35SI 15				3.770	15
35SI 16				5.190	16
35SI 17				5.500 (5/2)-	17
35SI 18				5.760	18
35SI 19				6.330	19
35SI 20				7.360	20
35SI 21				7.690	21

S-p = 18.683 ( 0.036)

S-n = 2.471 ( 0.036)

S-2p = 33.932 ( 0.036)

S-2n = 10.020 ( 0.036)

S-alpha= 13.694 ( 0.036)

S+p = -13.149 ( 0.038)

S+n = -6.116 ( 0.080)

S+2p = -27.083 ( 0.036)

S+2n = -8.323 ( 0.119)

S+alpha = -11.196 ( 0.062)

gap p = 5.534 ( 0.052)

gap n = -3.645 ( 0.088)

gap 2p = 6.849 ( 0.051)  
gap 2n = 1.697 ( 0.125)  
gap alpha = 2.498 ( 0.071)