

$^{34}\text{Si}$        $Z = 14$        $N = 20$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 283.464 ( 0.001) MeV

Qbeta- = 4.557 ( 0.001) MeV

	Energy T	J+		J-		J-other		T1/2
34SI 1	0.000	0+						1 2.77 S 20
34SI 2	3.327	2+						2 82 FS 32
34SI 3						3.590		3
34SI 4				4.256	(3-)			4 210 NS LT
34SI 5				4.380	(3-)			5
34SI 6						4.520		6
34SI 7						4.971	(3-,4-,5-)	7
34SI 8						5.042		8
34SI 9	5.330	2+						9
34SI 10						6.023		10

S-p = 18.783 ( 0.007) -----  
 S-n = 7.549 ( 0.001) -----  
 S-2p = 33.741 ( 0.003) -----  
 S-2n = 12.057 ( 0.001) -----  
 S-alpha = 13.535 ( 0.002) -----

S+p = -12.155 ( 0.002)  
 S+n = -2.471 ( 0.036)  
 S+2p = -25.250 ( 0.001)  
 S+2n = -8.587 ( 0.072)  
 S+alpha = -9.294 ( 0.007)

gap p = 6.628 ( 0.007)  
 gap n = 5.078 ( 0.036)  
 gap 2p = 8.490 ( 0.003)  
 gap 2n = 3.470 ( 0.072)  
 gap alpha = 4.241 ( 0.007)