

$^{28}\text{Si}$        $Z = 14$        $N = 14$       adopted link      ENSDF link

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

BE = 236.537 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
28SI 1	0.000	0+			1 STABLE
28SI 2	1.779	2+			2 475 FS 17
28SI 3	4.618	4+			3 37 FS 4
28SI 4	4.980	0+			4 35 FS 2
28SI 5	6.276	3+			5 0.78 PS 6
28SI 6	6.691	0+			6 147 FS 10
28SI 7			6.879 3-		7 1.9 PS 2
28SI 8	6.888	4+			8 33 FS 2
28SI 9	7.381	2+			9 5 FS 2
28SI 10	7.416	2+			10 29 FS 3
28SI 11	7.799	3+			11 225 FS 10
28SI 12	7.933	2+			12 11 FS 2
28SI 13				8.259 2(+)	13 10 FS 2
28SI 14	8.328	1+			14 347 FS 166
28SI 15			8.413 4-		15 324 FS 55
28SI 16	8.544	6+			16 11.4 FS 10
28SI 17	8.589	3+			17 11 FS 2
28SI 18				8.819	18
28SI 19			8.905 1-		19 8 FS 2
28SI 20	8.945	5+			20 58 FS 6
28SI 21				8.953 (0+,1,2)	21
28SI 22				9.165 (4+)	22 28 FS 3
28SI 23	9.316 1	3+			23 1.5 FS 6
28SI 24	9.382 1	2+			24 1.1 FS 3
28SI 25	9.417	4+			25 78 FS 12
28SI 26				9.479 (2+)	26 6 FS 2
28SI 27				9.496 (1+)	27 5 FS 2
28SI 28				9.702 (5-)	28 4 PS 1
28SI 29				9.765 (3-)	29 2 FS LT
28SI 30				9.796 (2+)	30
28SI 31			9.929 1-		31

S-p = 11.585 ( 0.000)-----  
S-n = 17.180 ( 0.000)-----  
S-2p = 19.856 ( 0.000)-----  
S-2n = 30.494 ( 0.000)-----  
S-alpha= 9.984 ( 0.000)-----

S+p = -2.749 ( 0.000)  
S+n = -8.474 ( 0.000)  
S+2p = -7.144 ( 0.000)  
S+2n = -19.083 ( 0.000)  
S+alpha = -6.948 ( 0.000)

gap p = 8.836 ( 0.000)  
gap n = 8.706 ( 0.000)  
gap 2p = 12.712 ( 0.000)  
gap 2n = 11.412 ( 0.000)  
gap alpha = 3.037 ( 0.000)