

^{38}S $Z = 16$ $N = 22$ [link to full NNDC output](#)

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

BE = 321.054 (0.007) MeV

Qbeta- = 2.937 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2
38S	1 0.000	0+			1 170.3 M 7
38S	2 1.292	2+			2 3.3 PS +5-4
38S	3			2.805 (2+)	3 0.08 PS +9-5
38S	4 2.825	4+			4 0.14 PS GT
38S	5			3.375 (2+)	5
38S	6			3.516 (1,2+)	6
38S	7			3.658 (6+)	7
38S	8			3.725	8
38S	9			4.336 (4+)	9
38S	10			4.461 (3-,4+)	10
38S	11			4.990 (2+)	11
38S	12			5.064 (3-)	12
38S	13			5.278 (2+)	13
38S	14			6.006 (3-)	14
38S	15			6.605	15

S-p = 15.154 (0.039)-----
 S-n = 8.036 (0.007)-----
 S-2p = 29.003 (0.072)-----
 S-2n = 12.340 (0.007)-----
 S-alpha= 9.329 (0.016)-----

S+p = -10.228 (0.007)
 S+n = -4.373 (0.051)
 S+2p = -22.757 (0.007)
 S+2n = -12.119 (0.008)
 S+alpha = -9.986 (0.009)

gap p = 4.926 (0.039)
 gap n = 3.663 (0.051)
 gap 2p = 6.246 (0.072)
 gap 2n = 0.220 (0.011)
 gap alpha = -0.657 (0.018)