

^{43}S $Z = 16$ $N = 27$ [link to full NNDC output](#)

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

BE = 346.745 (0.005) MeV

Qbeta- = 11.964 (0.062) MeV

	Energy T	J+	J-	J-other	T1/2
43S	1			0.000 (3/2-)	1 265 MS 15
43S	2			0.321 (7/2-)	2 415 NS 5
43S	3			0.970 (5/2-,7/2-)	3
43S	4			1.153 (5/2-,7/2-)	4
43S	5			2.616 (7/2-)	5

S-p = 20.494 (0.314)-----

S-n = 2.629 (0.006)-----

S-2p = 38.893 (0.555)-----

S-2n = 9.330 (0.006)-----

S-alpha= 16.941 (0.136)-----

S+p = -15.478 (0.136)

S+n = -5.080 (0.007)

S+2p = -32.153 (0.005)

S+2n = -7.937 (1.035)

S+alpha = -15.596 (0.005)

gap p = 5.016 (0.343)

gap n = -2.451 (0.009)

gap 2p = 6.740 (0.555)

gap 2n = 1.393 (1.035)

gap alpha = 1.345 (0.136)