

^{43}S $Z = 16$ $N = 27$ adopted link ENSDF link

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

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
43S	6			0.000	6

S-p = 20.576 (0.095)-----

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

S-2p = 39.983 (0.287)-----

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

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

S+p = -15.572 (0.086)

S+n = -5.080 (0.007)

S+2p = -32.153 (0.005)

S+2n = -7.270 (0.315)

S+alpha = -15.597 (0.005)

gap p = 5.004 (0.128)

gap n = -2.451 (0.009)

gap 2p = 7.829 (0.287)

gap 2n = 2.059 (0.315)

gap alpha = 1.344 (0.136)