

^{39}S $Z = 16$ $N = 23$ [link to full NNDC output](#)

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

BE = 325.426 (0.050) MeV

Qbeta- = 6.638 (0.050) MeV

	Energy T	J+	J-	J-other	T1/2
39S	1			0.000 (7/2)-	1 11.5 S 5
39S	2			0.059 (5/2-)	2
39S	3			0.399 (3/2-)	3
39S	4			0.864 (3/2+)	4
39S	5			1.469	5
39S	6			1.517 (11/2-)	6
39S	7			1.656 (9/2-)	7

S-p = 15.830 (0.088)-----

S-n = 4.373 (0.051)-----

S-2p = 31.169 (0.124)-----

S-2n = 12.409 (0.050)-----

S-alpha= 11.196 (0.062)-----

S+p = -11.684 (0.059)

S+n = -7.747 (0.050)

S+2p = -24.483 (0.050)

S+2n = -11.989 (0.050)

S+alpha = -11.272 (0.050)

gap p = 4.146 (0.106)

gap n = -3.374 (0.071)

gap 2p = 6.686 (0.134)

gap 2n = 0.420 (0.071)

gap alpha = -0.076 (0.079)