

^{37}S $Z = 16$ $N = 21$ adopted link ENSDF link

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

BE = 313.018 (0.000) MeV

Qbeta- = 4.865 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
37S 1			0.000	7/2-	1 5.05 M 2
37S 2			0.646	3/2-	2
37S 3				1.398 (3/2)+	3
37S 4			1.992	3/2-	4
37S 5				2.023 (7/2)-	5
37S 6				2.200	6
37S 7				2.515 (5/2)-	7
37S 8			2.638	1/2-	8
37S 9				2.776	9
37S 10				2.978	10
37S 11				3.120 (9/2)+	11
37S 12			3.262	3/2-	12
37S 13				3.355 (3/2)+	13
37S 14				3.442 (7/2)-	14
37S 15			3.493	3/2-	15
37S 16				3.555 (3/2)	16
37S 17				3.605 (1/2-, 3/2+)	17
37S 18				3.666 (3/2+)	18
37S 19				3.918 (1/2-)	19
37S 20				3.967 (3/2-)	20
37S 21			4.005	1/2-	21
37S 22				4.072 (3/2-)	22
37S 23				4.147	23
37S 24	4.304	1/2+			24
S-n	= 4.304 (0.000)				
37S 25				4.368 (5/2-)	25
37S 26				4.411 (5/2-, 9/2+)	26
37S 27				4.471 (3/2-)	27
37S 28				4.492 (3/2-)	28
37S 29				4.548 (3/2-)	29
37S 30				4.675 (7/2-, 9/2+)	30
37S 31				4.754 (7/2-, 9/2+)	31
37S 32		4.858	5/2-		32
37S 33				4.882 (5/2-)	33
37S 34				4.893 (5/2-)	34
37S 35				5.054 (9/2)+	35
37S 36				5.090 (9/2)+	36

37S	37				5.122	(9/2)+	37
37S	38		5.505		5/2-		38
37S	39		5.666		5/2-		39
37S	40		5.720		5/2-		40

S-p = 13.934 (0.013)-----

S-n = 4.304 (0.000)-----

S-2p = 27.083 (0.036)-----

S-2n = 14.193 (0.000)-----

S-alpha= 8.807 (0.001)-----

S+p = -10.191 (0.000)

S+n = -8.036 (0.007)

S+2p = -20.924 (0.005)

S+2n = -12.409 (0.050)

S+alpha = -8.596 (0.000)

gap p = 3.744 (0.013)

gap n = -3.732 (0.007)

gap 2p = 6.159 (0.036)

gap 2n = 1.784 (0.050)

gap alpha = 0.211 (0.001)