

^{100}Y $Z = 39$ $N = 61$ adopted link ENSDF link

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

BE = 843.942 (0.011) MeV

Qbeta- = 9.051 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
100Y 1				0.000 (1)-	1 732 MS 5
100Y 2	0.011	1+			2
100Y 3				0.076 (2)+	3 72 PS 7
100Y 4				0.099 (0,1,2)	4
100Y 5	0.145	4+			5 0.94 S 3
100Y 6				0.172 (3+)	6
100Y 7				0.195 (0,1,2-)	7
100Y 8				0.303 (4+)	8
100Y 9				0.310 (0+,1,2)	9
100Y 10				0.356	10
100Y 11				0.376 (1+,2,3+)	11
100Y 12				0.461 (5+)	12
100Y 13				0.484 (1+:4+)	13
100Y 14				0.657 (6+)	14
100Y 15				0.699 (1+:4+)	15
100Y 16				0.734 (1+,2,3+)	16
100Y 17				0.776	17
100Y 18				0.828 (1+,2,3+)	18
100Y 19				0.849	19
100Y 20				0.861	20
100Y 21				0.861	21
100Y 22				0.874 (7+)	22
100Y 23	0.975	1+			23
100Y 24				1.046	24
100Y 25				1.146	25
100Y 26				1.149	26
100Y 27				1.341	27
100Y 28				1.379 (0+,1,2-)	28
100Y 29				1.390	29
100Y 30				1.412 (1+,2,3+)	30
100Y 31				1.700	31

S-p = 12.092 (0.012)-----
 S-n = 4.749 (0.013)-----
 S-2p = 27.530 (0.020)-----
 S-2n = 11.175 (0.014)-----

S-alpha= 8.392 (0.012)-----

S+p = -13.129 (0.014)

S+n = -5.805 (0.013)

S+2p = -23.555 (0.011)

S+2n = -9.994 (0.012)

S+alpha = -6.915 (0.011)

gap p = -1.037 (0.018)

gap n = -1.056 (0.019)

gap 2p = 3.975 (0.023)

gap 2n = 1.181 (0.018)

gap alpha = 1.477 (0.016)