

^{253}No $Z = 102$ $N = 151$ adopted link ENSDF link

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

BE = 1877.885 (0.007) MeV

Qbeta+ = 3.146 (0.007) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-8.415 (0.009)				
253NO 1				0.000 (9/2-)	1 1.62 M 15
253NO 2				0.064 (11/2-)	2
253NO 3				0.133 (13/2-)	3
253NO 4	0.168	5/2+			4 31.1 US 21
253NO 5				0.220 (15/2-)	5
253NO 6				0.258	6
253NO 7				0.317 (17/2-)	7
253NO 8				0.428 (19/2-)	8
253NO 9				0.451 (1/2+)	9
253NO 10				0.551 (21/2-)	10

253NO 11				0.670 (1/2+)	11
253NO 12				0.687 (23/2-)	12
253NO 13				0.834 (25/2-)	13
253NO 14				0.934 (15/2-)	14
253NO 15				0.994 (27/2-)	15
253NO 16				1.023 (17/2-)	16
253NO 17				1.122 (19/2-)	17
253NO 18				1.165 (29/2-)	18
253NO 19				1.232 (21/2-)	19
253NO 20				1.347 (31/2-)	20

253NO 21				1.352 (23/2-)	21
253NO 22				1.542 (33/2-)	22
253NO 23				1.745 (35/2-)	23
253NO 24				1.963 (37/2-)	24
253NO 25				2.185 (39/2-)	25
253NO 26				2.424 (41/2-)	26
253NO 27				2.666 (43/2-)	27
253NO 28				2.926 (45/2-)	28
253NO 29				3.183 (47/2-)	29

S-p =	3.397 (0.092)				
253NO 30				3.465 (49/2-)	30

S-p = 3.397 (0.092)-----

S-n = 6.584 (0.012)-----

S-2p = 6.178 (0.016)-----

S-2n = 14.712 (0.251)-----
S-alpha= -8.415 (0.009)-----

S+p = -2.002 (0.092)
S+n = -7.707 (0.012)
S+2p = -4.525 (0.255)
S+2n = -13.689 (0.016)
S+alpha = 9.083 (0.013)

gap p = 1.396 (0.129)
gap n = -1.123 (0.017)
gap 2p = 1.653 (0.256)
gap 2n = 1.023 (0.252)
gap alpha = 0.668 (0.016)