

^{251}Es $Z = 99$ $N = 152$ adopted link ENSDF link

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

BE = 1873.937 (0.005) MeV

Qbeta+ = 0.376 (0.007) MeV

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

S-alpha=	-6.597 (0.007)				
251ES 1			0.000 3/2-		1 33 H 1
251ES 2				0.008 (7/2+)	2
251ES 3			0.032 5/2-		3
251ES 4				0.056 (9/2+)	4
251ES 5			0.076 7/2-		5
251ES 6				0.114 (11/2+)	6
251ES 7				0.183 (13/2+)	7
251ES 8				0.263 (15/2+)	8
251ES 9				0.411 (1/2-)	9
251ES 10				0.452 (5/2-)	10

251ES 11			0.461 7/2-		11
251ES 12				0.516	12
251ES 13				0.524 (9/2-)	13
251ES 14				0.548 (7/2-,9/2-)	14
251ES 15				0.661 (1/2+)	15
251ES 16				0.778 (9/2+)	16
251ES 17				0.889 (11/2+)	17
251ES 18				0.942 (13/2+)	18
251ES 19				0.957 (13/2+)	19
251ES 20				1.239 (11/2+)	20

251ES 21				1.265 (11/2+)	21
251ES 22				1.301 (7/2+,9/2,11/2)	22
251ES 23				1.307 (7/2+,9/2,11/2+)	23
251ES 24				1.357 (7/2+,9/2,11/2+)	24

S-p = 3.948 (0.006)-----

S-n = 6.687 (0.005)-----

S-2p = 9.913 (0.005)-----

S-2n = 12.911 (0.005)-----

S-alpha= -6.597 (0.007)-----

S+p = -4.984 (0.007)

S+n = -5.288 (0.050)

S+2p = -7.877 (0.005)

S+2n = -11.644 (0.005)

S+alpha = 7.906 (0.008)

gap p = -1.036 (0.009)
gap n = 1.399 (0.051)
gap 2p = 2.036 (0.008)
gap 2n = 1.267 (0.008)
gap alpha = 1.309 (0.011)