

^{78}Ga $Z = 31$ $N = 47$ adopted link ENSDF link

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

BE = 669.014 (0.001) MeV

Qbeta- = 8.158 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
78GA 1				0.000 (3+)	1 5.09 S 5
78GA 2				0.281 (1+,2,3+)	2
78GA 3				0.342 (1+,2,3+)	3
78GA 4				0.454	4
78GA 5				0.560	5 500 NS LT
78GA 6				0.636 (1+,2,3+)	6
78GA 7				0.728 (1+,2,3+)	7
78GA 8	0.860	1+			8
78GA 9				0.958 (1+)	9
78GA 10	0.980	1+			10
78GA 11	1.031	1+			11
78GA 12				1.048 0:3+	12
78GA 13				1.123 (1)	13
78GA 14				1.398 0:3+	14
78GA 15	1.867	1+			15
78GA 16	2.206	1+			16
78GA 17				2.627 (1+,2,3+)	17
78GA 18	2.655	1+			18
78GA 19				2.831 (1+)	19
78GA 20				3.425 (1+)	20
78GA 21				3.554 (1+)	21

S-p = 12.204 (0.002)-----
 S-n = 5.783 (0.003)-----
 S-2p = 27.300 (0.001)-----
 S-2n = 13.550 (0.002)-----
 S-alpha= 10.123 (0.006)-----

S+p = -13.112 (0.037)
 S+n = -6.916 (0.002)
 S+2p = -23.088 (0.003)
 S+2n = -11.662 (0.003)
 S+alpha = -8.826 (0.004)

gap p = -0.908 (0.037)
 gap n = -1.133 (0.003)
 gap 2p = 4.212 (0.004)

gap 2n = 1.888 (0.004)
gap alpha = 1.296 (0.007)