

^{55}Ni $Z = 28$ $N = 27$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 467.353 (0.001) MeV

Qbeta+ = 8.694 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
55NI 1			0.000	7/2-	1 204.7 MS 37
55NI 2				2.089	2
55NI 3				2.462	3
55NI 4				2.839	4
55NI 5				2.882 (11/2-)	5
55NI 6				3.185 (1/2+)	6
55NI 7				3.502	7
55NI 8				3.583 (13/2-)	8
55NI 9				3.617 (15/2-)	9
55NI 10				3.752 (3/2+)	10
55NI 11				3.784	11
55NI 12				4.046	12
55NI 13				4.444	13
55NI 14				4.483 (17/2-)	14
S-p	= 4.615 (0.001)				
55NI 15				4.616	15
55NI 16				4.743	16
55NI 17				4.983	17
55NI 18				5.178	18
55NI 19				5.389	19
55NI 20				5.876	20
55NI 21				5.937	21
55NI 22				6.600	22
55NI 23				6.870	23

S-p = 4.615 (0.001)-----
 S-n = 14.129 (0.005)-----
 S-2p = 8.966 (0.002)-----
 S-2n = 31.848 (0.025)-----
 S-alpha= 7.558 (0.009)-----

S+p = -0.596 (0.015)
 S+n = -16.643 (0.001)
 S+2p = 0.000 (0.000)
 S+2n = -26.891 (0.001)
 S+alpha = -4.305 (0.001)

gap p = 4.019 (0.015)
gap n = -2.514 (0.005)
gap 2p = 0.000 (0.000)
gap 2n = 4.957 (0.025)
gap alpha = 3.254 (0.009)