

^{220}Ac $Z = 89$ $N = 131$ adopted link ENSDF link

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

BE = 1692.317 (0.006) MeV

Qbeta+ = 3.472 (0.010) MeV

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

S-alpha=	-8.348 (0.007)				
220AC 1				0.000 (3-)	1 26.4 MS 2
220AC 2				0.014	2
220AC 3				0.028	3
220AC 4				0.041	4
220AC 5				0.069 (5-)	5
220AC 6				0.072	6
220AC 7				0.109	7
220AC 8				0.113	8
220AC 9				0.146	9
220AC 10				0.150	10

220AC 11				0.153	11
220AC 12				0.184	12
220AC 13				0.234 (4+,5+,6+)	13
220AC 14				0.263 (4+,5+,6+)	14
220AC 15				0.312	15
220AC 16				0.335	16
220AC 17				0.356	17
220AC 18				0.412	18

S-p = 2.939 (0.009)-----

S-n = 5.897 (0.052)-----

S-2p = 7.894 (0.007)-----

S-2n = 13.250 (0.058)-----

S-alpha= -8.348 (0.007)-----

S+p = -4.093 (0.010)

S+n = -7.284 (0.057)

S+2p = -6.257 (0.087)

S+2n = -13.265 (0.008)

S+alpha = 7.694 (0.010)

gap p = -1.154 (0.014)

gap n = -1.387 (0.077)

gap 2p = 1.636 (0.087)

gap 2n = -0.015 (0.058)

gap alpha = -0.654 (0.012)