

^{108}Zr $Z = 40$ $N = 68$ adopted link ENSDF link

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

BE = 891.324 (-0.432) MeV

Qbeta- = 8.630 (0.432) MeV

	Energy T	J+	J-	J-other	T1/2
108ZR 1	0.000	0+			1 77.4 MS 22
108ZR 2				0.174 (2+)	2
108ZR 3				0.521 (4+)	3
108ZR 4				0.604 (1,2+)	4
108ZR 5				0.948 (2+,3,4+)	5
108ZR 6				1.000 (6+)	6
108ZR 7				1.433	7
108ZR 8				1.642 (8+)	8
108ZR 9				1.796	9
108ZR 10				2.075 (6+)	10 0.536 US +26-25

S-p = 16.278 (-0.688)-----
 S-n = 4.936 (-0.538)-----
 S-2p = 31.240 (-0.769)-----
 S-2n = 8.344 (-0.481)-----
 S-alpha= 9.604 (-0.533)-----

S+p = -13.063 (-0.610)
 S+n = -2.912 (-0.695)
 S+2p = -28.198 (-0.433)
 S+2n = -7.486 (-0.699)
 S+alpha = -8.972 (-0.487)

gap p = 3.215 (0.919)
 gap n = 2.024 (0.879)
 gap 2p = 3.042 (0.882)
 gap 2n = 0.858 (0.849)
 gap alpha = 0.632 (0.722)