

^{80}Zr $Z = 40$ $N = 40$ adopted link ENSDF link

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

BE = 669.200 (-0.320) MeV

Qbeta+ = 6.360 (0.320) MeV

	Energy T	J+	J-	J-other	T1/2
80ZR 1	0.000	0+			1 4.6 S 6
80ZR 2				0.289 (2+)	2
80ZR 3				0.826 (4+)	3
80ZR 4				1.605 (6+)	4
80ZR 5				2.610 (8+)	5
S-alpha=	2.966 (-0.322)				
80ZR 6				3.789 (10+)	6

S-p = 4.275 (-0.330)-----

S-n = 16.107 (-0.450)-----

S-2p = 6.192 (-0.320)-----

S-2n = 30.068 (-0.504)-----

S-alpha= 2.966 (-0.322)-----

S+p = 1.112 (-0.516)

S+n = -10.807 (-0.333)

S+2p = -0.166 (-0.520)

S+2n = -24.968 (-0.320)

S+alpha = -1.804 (-0.464)

gap p = 5.387 (0.613)

gap n = 5.300 (0.560)

gap 2p = 6.026 (0.611)

gap 2n = 5.100 (0.597)

gap alpha = 1.161 (0.565)