

$^{105}\text{Zr}$        $Z = 40$        $N = 65$       adopted link      ENSDF link

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

BE = 877.653 ( 0.012) MeV

Qbeta- = 8.457 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
105ZR	1			0.000 [5/2+]	1 0.66 S 5
105ZR	2			0.124 [7/2+]	2
105ZR	3			0.285 [9/2+]	3
105ZR	4			0.507 [11/2+]	4

S-p = 14.661 ( 0.208)-----  
 S-n = 3.812 ( 0.015)-----  
 S-2p = 28.727 ( 0.206)-----  
 S-2n = 9.792 ( 0.015)-----  
 S-alpha= 8.558 ( 0.015)-----

S+p = -12.033 ( 0.012)  
 S+n = -5.327 ( 0.212)  
 S+2p = -25.665 ( 0.015)  
 S+2n = -8.735 ( 0.321)  
 S+alpha = -7.626 ( 0.016)

gap p = 2.627 ( 0.209)  
 gap n = -1.515 ( 0.213)  
 gap 2p = 3.062 ( 0.207)  
 gap 2n = 1.057 ( 0.322)  
 gap alpha = 0.932 ( 0.022)