

$^{73}\text{Ni}$        $Z = 28$        $N = 45$       adopted link      ENSDF link

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

BE      =      617.409 ( 0.002) MeV

Qbeta- =      8.879 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
73NI 1				0.000 (9/2+)	1 0.84 S 3
73NI 2				0.239 (7/2+)	2
73NI 3				0.524 (5/2+)	3
73NI 4				1.299 (5/2-)	4

S-p      = 17.073 ( 0.288)-----  
 S-n      = 3.953 ( 0.003)-----  
 S-2p     = 32.724 ( 0.426)-----  
 S-2n     = 10.845 ( 0.003)-----  
 S-alpha= 13.308 ( 0.207)-----

S+p      = -13.187 ( 0.007)  
 S+n      = -6.633 ( 0.222)  
 S+2p     = -27.029 ( 0.003)  
 S+2n     = -10.266 ( 0.225)  
 S+alpha = -11.106 ( 0.003)

gap p     = 3.886 ( 0.288)  
 gap n     = -2.680 ( 0.222)  
 gap 2p    = 5.695 ( 0.426)  
 gap 2n    = 0.578 ( 0.225)  
 gap alpha = 2.202 ( 0.207)