

$^{190}\text{Ir}$        $Z = 77$        $N = 113$       adopted link      ENSDF link

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

BE      =    1510.063 ( 0.001) MeV  
 Qbeta- =      0.553 ( 0.002) MeV  
 Qbeta+ =      1.954 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-2.749 ( 0.002)				
190IR 1		0.000	4-		1 11.78 D 10

S-p      =    5.056 ( 0.002)-----  
 S-n      =    6.375 ( 0.013)-----  
 S-2p    =  12.315 ( 0.002)-----  
 S-2n    =  14.551 ( 0.010)-----  
 S-alpha= -2.749 ( 0.002)-----

S+p      =  -6.234 ( 0.004)  
 S+n      =  -8.026 ( 0.002)  
 S+2p    = -10.597 ( 0.016)  
 S+2n    = -14.225 ( 0.002)  
 S+alpha =    2.117 ( 0.003)

gap p    =  -1.178 ( 0.005)  
 gap n    =  -1.651 ( 0.013)  
 gap 2p   =    1.718 ( 0.016)  
 gap 2n   =    0.327 ( 0.010)  
 gap alpha = -0.632 ( 0.003)