

$^{249}\text{Es}$        $Z = 99$        $N = 150$       adopted link      ENSDF link

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

BE = 1861.026 ( 0.000) MeV

Qbeta+ = 1.557 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.041 ( 0.002)				
249ES 1	0.000	7/2+			1 102.2 M 6
249ES 2			0.353	(7/2-,9/2-)	2

S-p = 3.247 ( 0.005)-----  
 S-n = 6.978 ( 0.000)-----  
 S-2p = 8.788 ( 0.005)-----  
 S-2n = 13.441 ( 0.019)-----  
 S-alpha= -7.041 ( 0.002)-----

S+p = -4.497 ( 0.008)  
 S+n = -6.224 ( 0.000)  
 S+2p = -6.891 ( 0.019)  
 S+2n = -12.911 ( 0.005)  
 S+alpha = 7.508 ( 0.000)

gap p = -1.250 ( 0.009)  
 gap n = 0.754 ( 0.000)  
 gap 2p = 1.897 ( 0.020)  
 gap 2n = 0.530 ( 0.020)  
 gap alpha = 0.467 ( 0.002)