

$^{234}\text{Pa}$        $Z = 91$        $N = 143$       adopted link      ENSDF link

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

BE = 1777.156 ( 0.004) MeV

Qbeta- = 2.194 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-4.076 ( 0.016)				
$^{234}\text{Pa}$ 1	0.000	4+			1 6.70 H 5
$^{234}\text{Pa}$ 2				0.074 (3+)	2

S-p = 5.682 ( 0.004)-----  
 S-n = 5.222 ( 0.004)-----  
 S-2p = 13.394 ( 0.014)-----  
 S-2n = 11.750 ( 0.009)-----  
 S-alpha= -4.076 ( 0.016)-----

S+p = -6.709 ( 0.004)  
 S+n = -6.121 ( 0.015)  
 S+2p = -11.539 ( 0.051)  
 S+2n = -11.147 ( 0.015)  
 S+alpha = 4.691 ( 0.004)

gap p = -1.027 ( 0.006)  
 gap n = -0.899 ( 0.015)  
 gap 2p = 1.855 ( 0.052)  
 gap 2n = 0.603 ( 0.017)  
 gap alpha = 0.615 ( 0.017)