

$^{214}\text{Th}$        $Z = 90$        $N = 124$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 1646.156 ( 0.011) MeV

Qbeta+ = 4.262 ( 0.017) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.827 ( 0.014)	-----			
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214TH	1   0.000	0+			1 87 MS 10
214TH	2   0.623	(2+)			2
214TH	3   1.453	(4+)			3
214TH	4   2.092	(6+)			4
214TH	5   2.181	(8+)			5 1.21 US 12

S-p = 2.735 ( 0.016) -----  
 S-n = 9.496 ( 0.014) -----  
 S-2p = 3.684 ( 0.015) -----  
 S-2n = 17.558 ( 0.015) -----  
 S-alpha= -7.827 ( 0.014) -----

S+p = -0.179 ( 0.083)  
 S+n = -7.845 ( 0.012)  
 S+2p = -2.207 ( 0.030)  
 S+2n = -16.539 ( 0.015)  
 S+alpha = 8.775 ( 0.017)

gap p = 2.556 ( 0.085)  
 gap n = 1.652 ( 0.019)  
 gap 2p = 1.478 ( 0.033)  
 gap 2n = 1.020 ( 0.021)  
 gap alpha = 0.948 ( 0.022)