

$^{197}\text{Po}$        $Z = 84$        $N = 113$       adopted link      ENSDF link

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

BE      =    1537.725 ( 0.010) MeV

Qbeta+ =      6.294 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-6.412 ( 0.014)				
197Po	1			0.000 (3/2-)	1 84 S 16
197Po	2			0.130 (5/2-)	2
197Po	3			0.204 (13/2+)	3 32 S 2
197Po	4			0.688 (17/2+)	4
197Po	5			1.147 (21/2+)	5
197Po	6			1.686 (25/2+)	6

S-p      =    2.673 ( 0.026)-----

S-n      =    7.995 ( 0.011)-----

S-2p     =    4.233 ( 0.011)-----

S-2n     =  18.419 ( 0.012)-----

S-alpha= -6.412 ( 0.014)-----

S+p      =  -0.605 ( 0.011)

S+n      = -10.152 ( 0.020)

S+2p     =  -2.745 ( 0.012)

S+2n     = -17.989 ( 0.011)

S+alpha  =    6.861 ( 0.014)

gap p     =    2.068 ( 0.029)

gap n     =  -2.156 ( 0.023)

gap 2p    =    1.488 ( 0.017)

gap 2n    =    0.430 ( 0.016)

gap alpha =    0.449 ( 0.020)