

$^{242}\text{Es}$        $Z = 99$        $N = 143$       adopted link      ENSDF link

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

BE = 1810.886 (-0.242) MeV

Qbeta+ = 5.534 ( 0.242) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-8.360 (-0.339)				
242ES	1			0.000	1 13.5 S 25

S-p = 1.699 (-0.342)

S-n = 7.001 (-0.342)

S-2p = 5.366 (-0.341)

S-2n = 15.446 (-0.538)

S-alpha= -8.360 (-0.339)

S+p = -2.866 (-0.343)

S+n = -8.212 (-0.343)

S+2p = -3.986 (-0.545)

S+2n = -14.966 (-0.344)

S+alpha = 8.696 (-0.345)

gap p = -1.167 ( 0.484)

gap n = -1.211 ( 0.484)

gap 2p = 1.380 ( 0.643)

gap 2n = 0.480 ( 0.638)

gap alpha = 0.336 ( 0.484)