

$^{242}\text{Cf}$        $Z = 98$        $N = 144$       adopted link    ENSDF link

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

BE      =    1817.202 ( 0.013) MeV

Qbeta+ =      1.614 ( 0.242) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.517 ( 0.018)				
242CF	1   0.000	0+			1 3.7 M 5

S-p      =    3.918 ( 0.241)-----

S-n      =    8.015 ( 0.241)-----

S-2p     =    6.915 ( 0.013)-----

S-2n     =  14.744 ( 0.022)-----

S-alpha= -7.517 ( 0.018)-----

S+p      =  -1.896 ( 0.243)

S+n      =  -6.513 ( 0.243)

S+2p     =  -4.990 ( 0.244)

S+2n     = -14.052 ( 0.013)

S+alpha  =    8.379 ( 0.019)

gap p     =    2.022 ( 0.343)

gap n     =    1.502 ( 0.343)

gap 2p    =    1.925 ( 0.245)

gap 2n    =    0.693 ( 0.026)

gap alpha =    0.863 ( 0.026)