

^{129}Sm $Z = 62$ $N = 67$ adopted link ENSDF link

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

BE = 1034.967 (-0.516) MeV

Qbeta+ = 10.957 (0.577) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-3.329	(-0.638)			
129SM 1			0.000	(1/2+,3/2+)	1 0.55 S 10

S-p = 1.367 (-0.576)-----

S-n = 11.223 (-0.727)-----

S-2p = 0.933 (-0.575)-----

S-2n = 0.000 (-0.000)-----

S-alpha= -3.329 (-0.638)-----

S+p = 1.467 (-0.733)

S+n = -13.483 (-0.647)

S+2p = 0.000 (-0.000)

S+2n = -24.168 (-0.649)

S+alpha = 3.785 (-0.741)

gap p = 2.834 (0.932)

gap n = -2.260 (0.973)

gap 2p = 0.000 (0.000)

gap 2n = 0.000 (0.000)

gap alpha = 0.456 (0.978)