

$^{109}\text{Xe}$        $Z = 54$        $N = 55$       adopted link      ENSDF link

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

BE = 883.696 ( 0.300) MeV

Qbeta+ = 11.503 ( 0.300) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-4.217 ( 0.424)				
109XE 1				0.000 (7/2+)	1 13 MS 2

S-p	= 0.688 ( 0.319)	-----			
S-n	= 11.608 ( 0.484)	-----			
S-2p	= 0.090 ( 0.319)	-----			
S-2n	= 0.000 ( 0.000)	-----			
S-alpha=	-4.217 ( 0.424)	-----			

S+p	= 0.000 ( 0.000)
S+n	= -13.824 ( 0.317)
S+2p	= 0.000 ( 0.000)
S+2n	= -24.506 ( 0.320)
S+alpha	= 4.037 ( 0.453)

gap p	= 0.000 ( 0.000)
gap n	= -2.216 ( 0.578)
gap 2p	= 0.000 ( 0.000)
gap 2n	= 0.000 ( 0.000)
gap alpha	= -0.180 ( 0.621)