

$^{89}\text{As}$        $Z = 33$        $N = 56$       adopted link      ENSDF link

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

BE = 739.056 (-0.267) MeV

Qbeta- = 12.466 ( 0.267) MeV

	Energy T	J+	J-	J-other	T1/2
89AS	1			0.000	1

S-p = 14.288 (-0.515)-----  
 S-n = 4.168 (-0.320)-----  
 S-2p = 32.268 (-0.586)-----  
 S-2n = 7.051 (-0.267)-----  
 S-alpha= 9.207 (-0.270)-----

S+p = -16.563 (-0.424)  
 S+n = -2.544 (-0.448)  
 S+2p = -29.159 (-0.267)  
 S+2n = -6.143 (-0.451)  
 S+alpha = -8.789 (-0.507)

gap p = -2.275 ( 0.667)  
 gap n = 1.624 ( 0.551)  
 gap 2p = 3.109 ( 0.644)  
 gap 2n = 0.908 ( 0.524)  
 gap alpha = 0.418 ( 0.574)