

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

Based on ensdf\_240402 (Apr 2024), 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
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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)					