

$^{84}\text{As}$        $Z = 33$        $N = 51$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 718.027 ( 0.003) MeV

Qbeta- = 10.094 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
84AS 1			0.000 (3-)		1 4.2 S 5
84AS 2				0.100	2
84AS 3				0.143	3
84AS 4				0.242	4
84AS 5				0.590	5
84AS 6				1.198	6

S-p = 12.166 ( 0.004) -----  
 S-n = 4.255 ( 0.004) -----  
 S-2p = 27.501 ( 0.004) -----  
 S-2n = 11.891 ( 0.005) -----  
 S-alpha = 9.055 ( 0.004) -----

S+p = -13.849 ( 0.004)  
 S+n = -5.407 ( 0.004)  
 S+2p = -24.357 ( 0.004)  
 S+2n = -9.251 ( 0.005)  
 S+alpha = -7.287 ( 0.004)

gap p = -1.683 ( 0.006)  
 gap n = -1.151 ( 0.006)  
 gap 2p = 3.144 ( 0.006)  
 gap 2n = 2.639 ( 0.007)  
 gap alpha = 1.767 ( 0.006)