

^{66}As $Z = 33$ $N = 33$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 558.915 (0.006) MeV

Qbeta+ = 9.582 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
66AS 1				0.000 [0+]	1 95.77 MS 23
66AS 2	0.837	(1+)			2
66AS 3	0.964	(2+)			3
66AS 4	1.231	(3+)			4
66AS 5	1.357	(5+)			5 1.1 US 1
66AS 6	1.902	(5+)			6
S-alpha=	2.463 (0.006)	-----			
S-p =	2.836 (0.006)	-----			
66AS 7	2.909	(7+)			7
66AS 8	3.024	(9+)			8 8.2 US 5
66AS 9	3.864	(11+)			9
66AS 10	5.325	(13+)			10
66AS 11				5.811 (12)	11
66AS 12				6.533 (14)	12
S-2p =	7.770 (0.006)	-----			
66AS 13				7.795 (16)	13
66AS 14				9.793 (18)	14
S-p =	2.836 (0.006)	-----			
S-n =	13.291 (0.042)	-----			
S-2p =	7.770 (0.006)	-----			
S-2n =	28.368 (0.110)	-----			
S-alpha=	2.463 (0.006)	-----			
S+p =	-1.822 (0.025)				
S+n =	-12.633 (0.006)				
S+2p =	-1.337 (0.272)				
S+2n =	-23.012 (0.006)				
S+alpha =	-2.334 (0.017)				
gap p =	1.013 (0.025)				
gap n =	0.657 (0.043)				
gap 2p =	6.433 (0.272)				
gap 2n =	5.355 (0.110)				
gap alpha =	0.129 (0.018)				