^{81}As $Z = 33$ $N = 48$ link to full NNDC output

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 700.492 (0.003) MeV
Qbeta- = 3.856 (0.003) MeV

	Energy	T	J+	J-		J-other		T1/2	
81AS	1			0.000	3/2-		1	33.3 S	8
81AS	2				0.093	1/2-,3/2-,5/2-	2		
81AS	3				0.290	(3/2)-	3		
81AS	4				0.336	(5/2)-	4	0.7 NS	LT
81AS	5				0.738	(5/2-)	5		
81AS	6				0.757	7/2+,9/2+	6		
81AS	7				0.758	(3/2+,5/2-)	7		
81AS	8				0.864		8		
81AS	9				1.015	1/2-,3/2-	9		
81AS	10				1.042	(7/2-)	10		
81AS	11				1.083	(3/2+,5/2,7/2-)	11		
81AS	12				1.129	(7/2,9/2-)	12		
81AS	13				1.195		13		
81AS	14				1.496	1/2-,3/2-	14		
81AS	15				1.614		15		
81AS	16	1.614	1/2+				16		
81AS	17				1.672	(5/2-,7/2-)	17		
81AS	18				1.870	(1/2,3/2)	18		
81AS	19				1.879	7/2+,9/2+	19		
81AS	20				1.915	(7/2,9/2-)	20		
81AS	21				2.077	(-)	21		
81AS	22				2.142	(7/2+,9/2+)	22		
81AS	23				2.251		23		
81AS	24				2.518		24		
81AS	25				2.625	(7/2+)	25		
81AS	26				2.723	1/2-,3/2-	26		
81AS	27				2.758	(7/2+,9/2+,11/2	27+)		
81AS	28				2.862	(1/2-,3/2)	28		
81AS	29				2.912	(3/2-)	29		
81AS	30				2.966	(7/2+)	30		
81AS	31				2.999	1/2-,3/2-	31		
81AS	32				3.098	5/2-,7/2-	32		
81AS	33				3.136	(3/2+)	33		
81AS	34				3.195	(3/2+)	34		
81AS	35				3.290	(7/2+,9/2+,11/2	35+)		
81AS	36				3.306		36		
81AS	37				3.368	(1/2,3/2)	37		

```
 81AS  38 |  3.480     1/2+ |                |                            38
 81AS  39 |                 |                |   3.531     (1/2-,3/2)     39
 81AS  40 |                 |                |   3.563     (1/2+,3/2+)    40
----------                                                               -----------------
 81AS  41 |  3.596     1/2+ |                |                            41
 81AS  42 |                 |                |   3.742                    42
 81AS  43 |                 |                |   3.818     1/2-,3/2-      43
 81AS  44 |                 |                |   3.914     (1/2+,5/2-,7/2-) 44
 81AS  45 |                 |                |   3.995     (1/2+,5/2-,7/2-) 45


S-p    =  10.287 ( 0.003)-------------------------------------------------------------------------
S-n    =   8.390 ( 0.004)-------------------------------------------------------------------------
S-2p   =  24.563 ( 0.003)-------------------------------------------------------------------------
S-2n   =  15.040 ( 0.006)-------------------------------------------------------------------------
S-alpha=   8.966 ( 0.004)-------------------------------------------------------------------------

S+p       = -12.350 ( 0.003)
S+n       =  -5.643 ( 0.005)
S+2p      = -21.058 ( 0.005)
S+2n      = -13.279 ( 0.004)
S+alpha   =  -8.467 ( 0.004)

gap p     =  -2.063 ( 0.004)
gap n     =   2.747 ( 0.006)
gap 2p    =   3.505 ( 0.006)
gap 2n    =   1.761 ( 0.007)
gap alpha =   0.499 ( 0.005)
```