

^{30}S $Z = 16$ $N = 14$ adopted link ENSDF link

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

BE = 243.681 (0.000) MeV

Qbeta+ = 6.142 (0.000) MeV

	Energy T	J+		J-		J-other		T1/2	

30S	1	0.000	0+				1	1.178 S	5
30S	2	2.211	2+				2	156 FS	9
30S	3	3.403	2+				3	109 FS	12
30S	4					3.668	4	1 PS	GT
30S	5	3.676	(1+)				5	97 FS	55
S-p	=	4.395	(0.000)	-----					
30S	6	4.704	(3+)				6		
30S	7	4.814	(2+)				7		
30S	8	5.136	(3+)				8	38 FS	14
30S	9	5.168	(4+)				9		
30S	10	5.217	(0+)				10		4+

30S	11			5.318	(3-)		11		
30S	12	5.389	(2+)				12		
30S	13			5.843	(1-)		13		
30S	14					5.945	14		
30S	15					6.071	15		
30S	16					6.202	16		
30S	17					6.280	17		
30S	18					6.341	18		
30S	19					6.532	19		
30S	20					6.643	20		

30S	21	6.766	2+				21		2
30S	22					6.855	22		
30S	23					6.927	23		
30S	24					7.074	24		
30S	25					7.123	25		
S-2p	=	7.144	(0.000)	-----					
30S	26					7.295	26		
30S	27					7.352	27		
30S	28					7.485	28		
30S	29					7.598	29		
30S	30					7.693	30		

30S	31					7.924	31		

S-p	=	4.395	(0.000)	-----					

S-n = 19.036 (0.013) -----
S-2p = 7.144 (0.000) -----
S-2n = 34.275 (0.160) -----
S-alpha= 9.343 (0.000) -----

S+p = -0.264 (0.003)
S+n = -13.055 (0.000)
S+2p = -2.719 (0.002)
S+2n = -28.099 (0.000)
S+alpha = -6.744 (0.000)

gap p = 4.131 (0.003)
gap n = 5.981 (0.013)
gap 2p = 4.425 (0.002)
gap 2n = 6.176 (0.160)
gap alpha = 2.599 (0.000)