

Species Tag:	1001	Name:	H-atom
Version:	1		$^2S_{1/2}$ ground state
Date:	Oct. 1979		
Contributor:	H. M. Pickett		

Lines Listed:	1	Q(300.0)=	4.000
Freq. (GHz) <	2	Q(225.0)=	4.000
Max. J:	1	Q(150.0)=	4.000
LOGSTR0=	-9.1	Q(75.00)=	4.000
LOGSTR1=		Q(37.50)=	4.000
Isotope Corr.:	0.0	Q(18.75)=	4.000
Egy. (cm^{-1}) >	0.0479	Q(9.375)=	4.000
$\mu_a =$		A=	
$\mu_b =$		B=	
$\mu_c =$		C=	

The atomic hydrogen line at 21 cm has been measured to a precision of 0.001 Hz (L. Essen, R. W. Donaldson, M. J. Bangham, and E. G. Hope, 1971, Nature **229**, 110). The average spontaneous emission lifetime of the three $F = 1$ states is $2.876 \times 10^{-15} \text{ sec}^{-1}$.