

Species Tag:	2001	Name:	D-atom
Version:	1		$^2S_{1/2}$ ground state
Date:	Oct. 1979		
Contributor:	H. M. Pickett		

Lines Listed:	1	Q(300.0)=	6.00
Freq. (GHz) <	1	Q(225.0)=	6.00
Max. J:	2	Q(150.0)=	6.00
LOGSTR0=	-10.3	Q(75.00)=	6.00
LOGSTR1=	-4.3	Q(37.50)=	6.00
Isotope Corr.:	-3.824	Q(18.75)=	6.00
Egy. (cm^{-1}) >	0.0	Q(9.375)=	6.00
$\mu_a =$		A=	
$\mu_b =$		B=	
$\mu_c =$		C=	

The atomic deuterium line at 327 MHz has been measured to an accuracy of 0.002 Hz (D. J. Wineland and N. F. Ramsey, 1972, Phys. Rev. A **5**, 821). The average spontaneous emission lifetime for the four $F = 3/2$ states is $4.695 \times 10^{-17} \text{ sec}^{-1}$.