

Species Tag:	34005	Name:	SD
Version:	1		$nu=0,1$
Date:	Jan. 1997		$^2\Pi_i$ State
Contributor:	J. C. Pearson		Deuterium isotope

Lines Listed:	1125	Q(300.0)=	313.6878
Freq. (GHz) <	9999	Q(225.0)=	223.5794
Max. J:	33	Q(150.0)=	114.5516
LOGSTR0=	-14.0	Q(75.00)=	76.5070
LOGSTR1=	-12.0	Q(37.50)=	44.8539
Isotope Corr.:	-0.022	Q(18.75)=	30.2154
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	24.8860
$\mu_a =$	0.7571	A=	
$\mu_b =$		B=	146885.3
$\mu_c =$		C=	

The data were taken from: E. Klisch, Th. Klaus, S. P. Belov, A. Dolgner, R. Schieder, G. Winnewisser and E. Herbst, 1996, *Astrophys. J.* **473**, 1118, W. L. Meerts and A. Dymanus, 1975, *Can. J. Phys.* **53**, 2123. The ground state A value was fixed to the electronic value of D. Zeitz, W. Bohle, J Werner, A. Hinz and W. Urban, 1985, *Mol. Phys.* **54**, 953.

The dipole moment is from W. L. Meerts and A. Dymanus, 1975, *Can. J. Phys.* **53**, 2123.