Input file for the TRAPRB code [Jarmain&McCallum1970]

Variable descriptions found in program "FCF486.FOR" (sent by Prof. Amaury)

```
C... NI = 0 ALLOWS DENSITY GRAPHS TO BE PRODUCED.0THER VALUES DO NO C... NS GIVES ORTHOGONALITY TEST IF = 1
C... IGRAPH
C... IENERG
C...
       ISTATE = 2 FOR A TRANSITION = 1 FOR A SINGLE STATE
C... RMIN MINIMUM RADIUS FOR CALCULATION OF WAVEFUNCTIONS
C... RMAX
C... DELR
               MAXIMUM RADIUS FOR CALCULATION OF WAVEFUNCTIONS
               RADIAL INTERVAL FOR CALCULATION OF WAVEFUNCTIONS
C... MAXV MAXIMUM QUANTUM NUMBER FOR CALCULATION OF RESULTS
C... BE EQUILBRIUM ROTATIONAL CONSTANT
C... DE DISSOCIATION ENERGY OR ESTIMATE THEREOF
C... KDMAXV MAXIMUM QUANTUM NUMBER FOR CALCULATION OF KLEIN DUNHAM
C... POTENTIAL.MUST BE AT LEAST 2 AND NOT MORE THAN 30
C... NEIG USED FOR WORK IN THE CONTINUUM, NUMBER OF ENERGY LEVELS
С...
              TO CALCULATE CONTINUUM WAVEFUNCTIONS AT
C...
C... READ IN EXPERIMENTAL EIGENVALUES AND ROTATIONAL CONSTANTS
(JT) EV: experimental eigenvalues (dimension 32 in program, but only 14 values present in file)
(JT) BV: rotational constants (dimension 32 in program, but only 14 values present in file)
Annotated input file ("oh.dat")
Green - found in NIST Chemistry Web Book
                                                                      ISTATE
                                                                  TENERG
                                                              IGRAPH |
```

NI NS | 0 1 0 0 2 1 OH A DOUBLET SIGMA UPPER STATE

ZMU------DELR-----0.9480871 0.750 3.500 0.005

0.94000/1	0.750	3.500	0.005				
	E D = 17.358					KDMAXV NE === 12	
EV(32)	1565.99	4554.82	7351.07 24993.67			14671.06	16822.54
		16.1418 8.4394	15.2910 7.3326		13.4934 5.0230	12.5466	11.5678
12	BLET PI G 0.650 18.9108	ROUND STAT 3.500 39162.18		12061.76	0 1 0 15139.53	12	20806.55
23392.49 18.9108	25808.94 18.5504	28050.69 17.8387	30110.87 17.1366	31980.82	33649.91 15.7493		
13.6655	12.9581	12.2394	11.5063	10.7557	9.9849		