THE FOURIER TRANSFORM MICROWAVE (FTMW) SPECTRA OF CYCLOHEXENE OXIDE AND ITS ARGON COMPLEX

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The microwave spectrum of cyclohexene oxide and its isotopologues have been observed and assigned, improving upon previous rotational studies of this molecule.[a,b] Additionally, the ^{17}O isotopomer of cyclohexene oxide and the Ar complex of the normal isotopologue of cyclohexene oxide have been fit for the first time. Fits for the ^{13}C-cyclohexene oxide Ar complexes will also be presented.

[a] Tatsuya Ikeda, Roger Kewley, and R. F. Curl, Jr. *J. Mol. Spectrosc.*, **44** (1972), 459-469.
[b] Raquel Sánchez, Susana Blanco, Juan C. López, and José L. Alonso. *J. Mol. Struct.*, **780-781** (2006), 57-64.