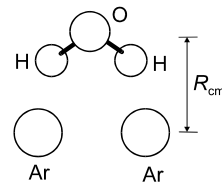


41	Ar₂H₂O	Water – argon (1/2) (weakly bound complex)	C_{2v} (effective symmetry class) (large-amplitude motion) H ₂ O · 2Ar
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r_0	Å ^{a)}
Ar...Ar	3.822(5)
R_{cm} ^{b)}	3.173(5)

Analysis of the observed spectra gives a planar T-shaped structure with C_{2v} symmetry and the bidentate protons pointed at the argons. Two sets of asymmetric top transitions were found and were assigned to internal rotation states of the water.



^{a)} Uncertainties were not estimated in the original paper.

^{b)} Distance between the center of mass of 2Ar and that of the water.

Arunan, E., Dykstra, C.E., Emilsson, T., Gutowsky, H.S.: J. Chem. Phys. **105** (1996) 8495.