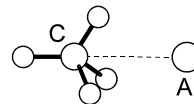


128 IR	CH₄Ar	Methane – argon (1/1) (weakly bound complex)	C_{3v} (effective symmetry class) (large-amplitude motion) CH ₄ · Ar
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r_0	Å ^{a)}
C...Ar	3.999(5)



The structure was determined from the rovibrational spectrum in the ν_4 CH₄ fundamental region. The geometry of the methane subunit was assumed to be unchanged upon complexation.

^{a)} Uncertainty was not estimated in the original paper.

Pak, I., Roth, D.A., Hepp, M., Winnewisser, G., Scouteris, D., Howard, B.J., Yamada, K.M.T.:
Z. Naturforsch. A **53** (1998) 725.