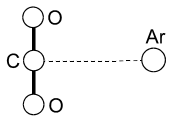
6 **$CArO_2$** **Carbon dioxide – argon (1/1)** **C_{2v}**
IR (weakly bound complex) (effective symmetry class)
(large-amplitude motion)
$CO_2 \cdot Ar$

v	r(C…Ar) [Å] [a])	θ(O=C…Ar) [deg] [a])
0	3.4981(7)	83.26(6)
1	3.5012(5)	83.36(5)



The structure of the $^{12}C^{18}O_2 \cdot Ar$ species was determined from the rovibrational spectrum in the region 2312…2316 cm^{-1}. The geometry of the carbon dioxide subunit was assumed to be unchanged upon complexation.

[a]) Estimated standard errors.

Ozaki, Y., Horiai, K., Konno, T., Uehara, H.: Chem. Phys. Lett. **335** (2001) 188.

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