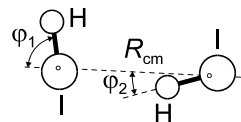


238 IR	H₂I₂	Hydrogen iodide dimer (weakly bound complex)	C_s (effective symmetry class) (large-amplitude motion) HI · HI
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$r_0(R_{\text{cm}})$ [Å] ^{a)}	$r_0(\text{I} \cdots \text{I})$ [Å] ^{a)}	$\theta_0(\varphi_1)$ [deg]	$\theta_0(\varphi_2)$ [deg]
4.563(2)	4.575(6)	60 to 120	0 to 30

The structure was determined from the rovibrational spectrum in the ν_2 vibrational band. The geometries of the monomer subunits were assumed to be unchanged upon complexation.



^{a)} Uncertainty was unidentified.

McIntosh, A.L., Wang, Z., Lucchese, R.R., Bevan, J.W.: Chem. Phys. Lett. **328** (2000) 153.