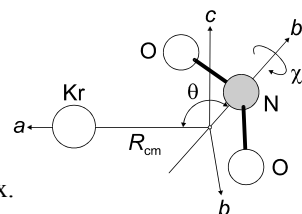


<b>295</b> MW	<b>KrNO<sub>2</sub></b>	<b>Krypton – nitrogen dioxide (1/1)</b> (weakly bound complex)	<b>C<sub>s</sub></b> (effective symmetry class) (large-amplitude motion) Kr · NO <sub>2</sub>
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$r_0$	$\text{\AA}^a$	$\theta_0$	deg
$R_{\text{cm}}$	3.595(3)	$\theta^b$	133.9(3) <sup>c)</sup>
		$\chi^b$	6.1(1)

The spectra could be fitted to a semi-rigid molecule Hamiltonian, but the spectra show significant evidence of large internal motion, in particular a tunneling motion between the two equivalent nonplanar structures of the complex. The principal inertial axis of NO<sub>2</sub> is denoted as  $b'$  in the figure.



<sup>a)</sup> Uncertainty was not estimated in the original paper.

<sup>b)</sup> See figure for the definition.

<sup>c)</sup> Complement:  $180^\circ - \theta = 46.1^\circ$  is equally valid from the analysis.

Blanco, S., Whitham, C.J., Qian, H., Howard, B.J.: Phys. Chem. Chem. Phys. **3** (2001) 3895.