

274  
MW

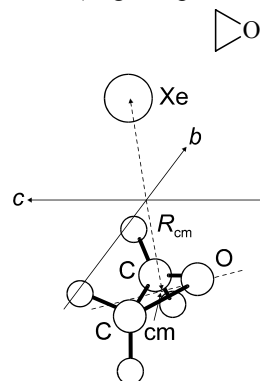
 $\text{C}_2\text{H}_4\text{OXe}$ 
**Oxirane – xenon (1/1)**  
(weakly bound complex)

 $\text{C}_s$   
(effective symmetry class)  
(large-amplitude motion)

$r_0$	$\text{\AA}$	$\theta_0$	deg
$R_{\text{cm}}$	3.85(11)	Xe...cm...O <sup>a)</sup>	70.9(4)

The authors also reported the so-called  $r_e$  structural parameters, namely those at the bottom of the intermolecular potential, estimated by assuming a model for van der Waals modes:  $R_{\text{cm}} = 3.82 \text{ \AA}$  and  $\text{Xe}\dots\text{cm}\dots\text{O} = 74.6^\circ$ .

<sup>a)</sup> cm denotes the center of mass of the oxirane molecule.



Velino, B., Favero, P.G., Caminati, W.: J. Chem. Phys. **117** (2002) 5688.