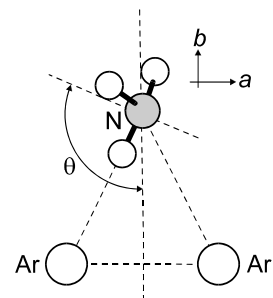


42  
MW $\text{Ar}_2\text{H}_3\text{N}$ **Ammonia – argon (1/2)**  
(weakly bound complex) $\text{G}_{24} (\text{NH}_3 \cdot 2\text{Ar}, \text{ND}_3 \cdot 2\text{Ar})$   
 $\text{G}_8 (\text{ND}_2\text{H} \cdot 2\text{Ar}, \text{NH}_2\text{D} \cdot 2\text{Ar})$   
(effective symmetry class)  
(large-amplitude motion)  
 $\text{NH}_3 \cdot 2\text{Ar}$ 

$r_0$	$\text{\AA}^{\text{a)}}$	$\theta_0$	$\text{deg}^{\text{a)}}$
$\text{Ar} \dots \text{cm}^{\text{b)}}$	$3.835(50)^{\text{c)}}$	$\theta(\text{Ar}_2 \cdot \text{NH}_3)^{\text{d)}}$	63.0 or 117.0(10)
$\text{Ar} \dots \text{Ar}$	$3.818(50)^{\text{c)}}$	$\theta(\text{Ar}_2 \cdot \text{NDH}_2)^{\text{d)}}$	64.0 or 116.0(10)
		$\theta(\text{Ar}_2 \cdot \text{ND}_2\text{H})^{\text{d)}}$	64.9 or 115.1(10)
		$\theta(\text{Ar}_2 \cdot \text{ND}_3)^{\text{d)}}$	66.1 or 113.9(10)

<sup>a)</sup> Uncertainties were not estimated in the original paper.<sup>b)</sup> cm denotes the center of mass of the ammonia.<sup>c)</sup> Only crude estimates were given for these two parameters.<sup>d)</sup> See figure for the definition. The values apply to the antisymmetric inversion state.Van Wijngaarden, J., Jäger, W.: Phys. Chem. Chem. Phys. **4** (2002) 4883.