

48  
MW $\text{Ar}_3\text{H}_3\text{N}$ **Ammonia – argon (1/3)**  
(weakly bound complex) $\text{C}_{3v}$   
(effective symmetry class)  
(large-amplitude motion)  
 $\text{NH}_3 \cdot 3\text{Ar}$ 

$r_0$	$\text{\AA}^a)$	$\theta_0$	$\text{deg}^a)$
Ar...cm <sup>b)</sup>	3.814(5)	Ar...cm...Ar <sup>b)</sup>	60.9(5)

A small inversion tunneling splitting was observed for each of the deuterium containing isotopomers:  $\text{ND}_3 \cdot 3\text{Ar}$ ,  $\text{ND}_2\text{H} \cdot 3\text{Ar}$  and  $\text{NDH}_2 \cdot 3\text{Ar}$ .

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

<sup>b)</sup> cm denotes the center of mass of  $\text{NH}_3$ .

Van Wijngaarden, J., Jäger, W.: J. Chem. Phys. **116** (2002) 2379.

