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MW H_3NNe_2 **Ammonia – neon (1/2)**
(weakly bound complex) **C_s**
(large-amplitude motion)
(effective symmetry class)
 $\text{NH}_3 \cdot 2\text{Ne}$

| r_0 | $\text{\AA}^{\text{a)}}$ |
|-----------------|--------------------------|
| R_{cm} | 3.51(2) |
| Ne...Ne | 3.29 ^{b)} |

The experimental data combined with an *ab initio* calculation at the CCSD(T) level leads to a geometry in which the C_3 axis of NH_3 is aligned perpendicular to the Ne...Ne axis with two of the hydrogen atoms pointed toward to the Ne atoms. The potential well depth of this orientation is 131 cm^{-1} .

^{a)} Uncertainty was not estimated in the original paper.

^{b)} Assumed.

Van Wijngaarden, J., Jäger, W.: Chem. Phys. **283** (2002) 29.

