

TEMPERATURE DEPENDENCE OF THE RAMAN FREQUENCIES OF AMMONIA SOLID II

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We calculated here the Raman frequencies for the translational mode and the librational mode of ammonia solid II as a function of temperature for some fixed pressures. Our calculated Raman frequencies were obtained by means of the Grüneisen relations using the volume data given in the literature.

Our calculated frequencies for those phonon modes of ammonia solid II are in very good agreement with those measured experimentally.