



Density narrowing effect in the collisional cluster scattering of the light by gases

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Résumé en anglais	The spectral intensities of a collisional cluster scattering band in CF ₄ gas have been computed using molecular dynamics. Several densities from 20 to 269 Amagat as well as several models of interaction induced polarizability and of intermolecular potential have been studied. A qualitative agreement with experimental results has been obtained showing the narrowing effect of the gas density on the two-body line shape of the collisional cluster Raman band.
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- [1] <http://okina.univ-angers.fr/v.teboul/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=23828](http://okina.univ-angers.fr/publications?f[author]=23828)
- [3] <http://okina.univ-angers.fr/publications/ua8574>
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