

Semi-empirical calculations of line-shape parameters and their temperature dependences for the ν_6 band of CH₃D perturbed by N₂

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Highlights

- Calculations of CH₃D-N₂ line widths and shifts for large ranges of quantum numbers
- Theoretical evaluation of temperature-dependence parameters for widths and shifts
- Theoretical line-lists for collisional widths, shifts and their temperature dependences

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