

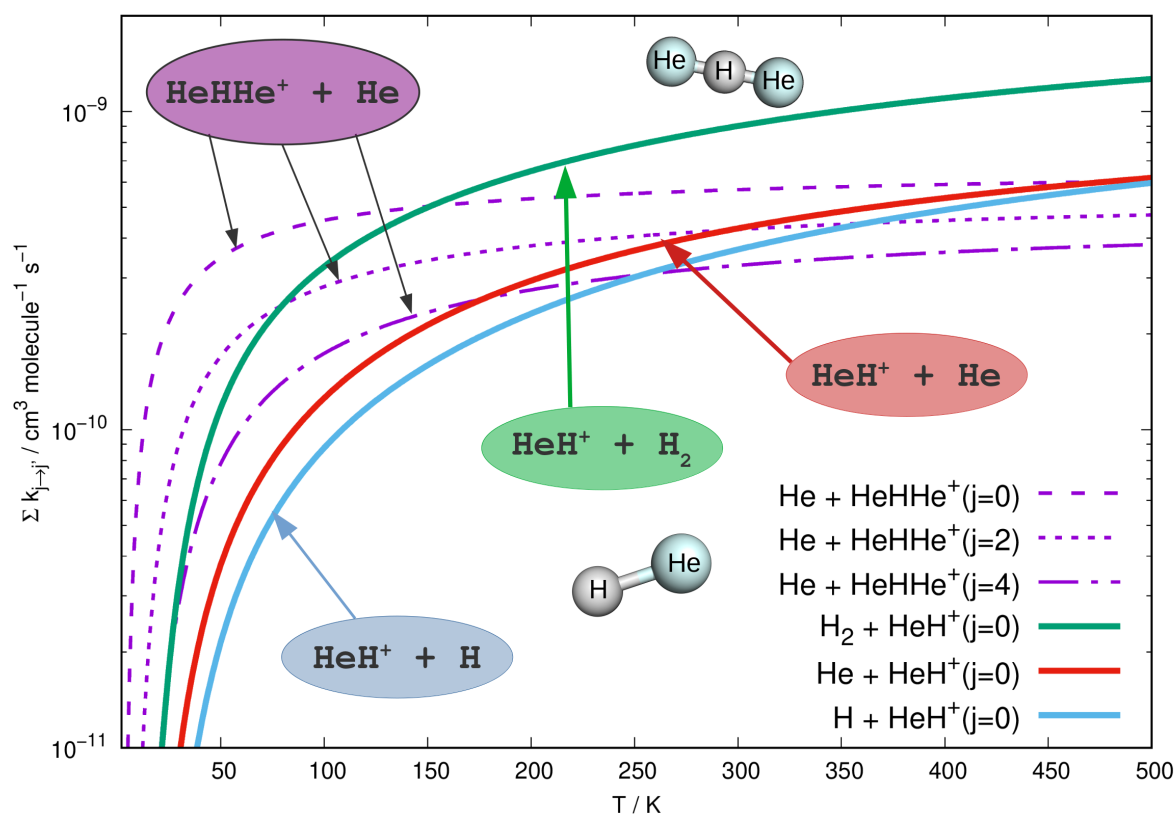
Study of gas-phase reactions of small systems with relevance in astrochemistry

Content

I will present a comparison of our studies on the collisions of HeH⁺ molecules with He and H₂, [1,2,3] and the collisions of HeHHe⁺ molecules He [4]. New ab initio potential energy have been used in quantum close coupling calculations for different initial states of these molecules in their ground electronic states, over a range of collision energies.

References

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- [3] K. Giri et al, J. Phys. Chem. A 126 224 (2022)
- [4] L. González-Sánchez et al, J. Phys. Chem. A 125 3748 (2022)
- [5] Desrousseaux and F. Lique, J. Chem. Phys. 152,075303 (2020)



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Contribution Type: Invited talk