

# The reaction dynamics of $\text{H}_3^+$ at low energy regimes

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Given its importance in the Astrophysical context the  $\text{H}_3^+$  reactive collision has been the subject of numerous studies [1]. Besides the interest to calculate the bound state spectra of the molecule as accurately as possible to describe the corresponding spectra, the collisions of  $\text{H}_2$  with  $\text{H}^+$  are considered as one of the most effective way to induce ortho/para transitions [2]. Recent studies have provided useful information regarding the dynamics of the process [3-5]. In this contribution I will present a review of the present knowledge we have about the precise mechanisms which seem to govern the  $\text{H}^+ + \text{H}_2$  reaction and its isotopic analogues, with a special emphasis in the newest results reported for this process.

## References

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