

Building the interstellar cloud model for describing the composition of chemical species

Saturday, 25 August 2018 16:15 (10 minutes)

The molecular absorption spectra revealed the existence of molecular species in interstellar media(ISM). However, the reason for the existence is still unknown. To explain the existence of molecules, we make an interstellar cloud model which can describe the current chemical state of ISM. We have improved a previously suggested static cloud model, which fit only a few observational data, by increasing the number of molecular species.

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Session Classification: YSS