

Astrochemistry of protoplanetary disks: from young to mature

Yuri Aikawa
University of Tokyo

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In the star formation, gas, dust and icy material accrete onto a circumstellar disk, where they will eventually be incorporated to planetary material. Understanding the molecular evolution during this process reveals the link between ISM and planetary matter, and also provides basis for the line observations of cores and disks. In this presentation, I will review recent progresses in the observations and theoretical studies of forming disks and protoplanetary disks from the viewpoint of astrochemistry.