

**ASTROCHEMISTRY OF COSMIC PHENOMENA**

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The book discusses the wide range of chemistry in astronomical environments with an emphasis on the description of molecular processes that critically influence the nature and evolution of astronomical objects and the identification of specific observations that directly address significant astronomical questions. The subject areas of the symposium included atomic and molecular processes at low and high temperatures and photon interactions, the chemical structure of molecular clouds in the Milky Way and in external galaxies, the chemistry of outflows and their interactions with the interstellar medium, the chemical connections between interstellar medium, and the solar system and pregalactic chemistry.