NRAO/Socorro Special Colloquium

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MPE

Astrochemistry and the first steps toward star and planet formation

Abstract

Stars and planetary systems form within dense (~10^5 H2 molecules per cc) and cold (~10 K) fragments of interstellar molecular clouds. Molecules are unique tracers of the physical/chemical conditions and dynamical evolution of these regions. Thus, astrochemistry is crucial to identify the ideal molecule and transition to observe. In this talk I will review results from astrochemical studies of star and planet forming regions in their earliest evolutionary phases. Links to our Solar System will also be presented. Finally, a glimpse to the current and future activities of the Center for Astrochemical Studies at MPE will be given.

November 5, 2015

2:00 pm

Array Operations Center Auditorium

All NRAO employees are invited to attend via video, available in Charlottesville Auditorium, Green Bank Auditorium, and VLA Video Conference Room.