European Workshop 2004 on Astronomical Molecules

Dense Molecular Gas around Protostars and in Galactic Nuclei

17-20 February 2004, Zwolle, the Netherlands

Masers and dense molecular gas are associated with protostars (1-1000 AU) and with active galactic nuclei (0.1-100 pc). Such dense molecular emission regions provide powerful tools for understanding the activity of the central protostars and the central regions of active galaxies. Observations with high angular resolution and long term monitoring may be used for diagnosing the dynamics and the physics of these compact environments. Besides differences in scale-size and in power of the central activity, there are common links between observational results in protostars and galaxies. In this Workshop, the interpretation of maser activity and of phenomena of dense molecular gas will be considered, in order to serve as diagnostics of the fundamental dynamical and physical processes that control these regions and to identify similarities among these processes.

Workshop Topics

Diagnostics and kinematics of dense gas regions around protostars (1-1000 AU) and circum-nuclear regions of active galaxies (0.1-100 pc)

Statistical approaches to dense gas regions based on maser/molecular gas survey

http://www.astron.nl/molecules2004

http://www.jive.nl/molecules2004

The Workshop is sponsored by ASTRON, JIVE and RadioNet.

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Background: sunrise at "Nationaal Park Dwingelderveld"

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