

The Third Tokyo-NRO Workshop
Submillimeter and THz Astrochemistry

March 17 and 18, 2010

Rm 338, Department of Physics, The University of Tokyo

Scientific Program

March 17 (Wed.)

- 12:30- Registration
- 13:30-13:40 Satoshi Yamamoto (U. Tokyo)
 Welcome Address
- 13:40-14:10 Yuri Aikawa (Kobe U.)
 *From Prestellar Cores to Protostellar Cores: Theoretical Modeling of
 D/H Ratios and Ice Observations*
- 14:10-14:50 James DiFrancesco (NRC)
 Observational Diagnostics of the Earliest Phases of Star Formation
- 14:50-15:10 Shigehisa Takakuwa (ASIAA)
 *Physical Conditions of Low-mass Protostellar Envelopes Probed by
 Combined mm and submm Molecular Line Observations*
- 15:10-15:40 Nami Sakai (U. Tokyo)
 Distribution of Carbon-Chain Molecules around Low-Mass Protostars
- 15:40-16:00 Coffee Break
- 16:00-16:40 Jes Jorgensen (U. Bonn)
 The Small-Scale Chemical Structure of Low-Mass protostars
- 16:40-17:20 Nagayoshi Ohashi (ASIAA)
 Formation of Keplerian Disks around Protostars
- 17:20-17:50 Ryohei Kawabe (NRO)
 AzTEC on ASTE 1.1 mm Surveys of Nearby Star Forming Regions
- 18:30 - Banquet at Izakaya Chiso
- After Dinner Karaoke (Option)

March 18 (Thu.)

- 9:00- 9:30 Tomoya Hirota (NAOJ)
Detailed Studies on Newly Found Chemically Young Cores in the Aquila Region
- 9:30- 9:50 Naomi Hirano (ASIAA)
Extremely High-Velocity HCN Emission from L1448C
- 9:50-10:20 Ken'ichi Tatematsu (NAOJ)
Chemical Evolution of Orion GMC Cores
- 10:20-10:30 Coffee Break
- 10:30-11:10 Suzanne Bisschop (MPI)
Line-Surveys of High-Mass Star-Forming Region G327.3-0.6
- 11:10-11:40 Takeshi Sakai (U. Tokyo)
Deuterium Fractionation in High-Mass Star Forming Regions
- 11:40-12:10 Fumitaka Nakamura (Niigata Univ.)
Physical Properties of Dense Cores in Clustered Star Formation
- 12:10-13:30 Lunch Break, Group Photo
- 13:30-14:10 Chunhua Qi (CfA)
Chemistry in Protoplanetary Disks -- An Observational Prospective
- 14:10-14:40 Hideko Nomura (Kyoto U.)
Line Emission from Photon-Dominated Layers of Protoplanetary Disks
- 14:40-15:00 D. Heinzeller (Kyoto U.)
Chemical Evolution of Protoplanetary Disks
- 15:00-15:30 Coffee Break
- 15:30-16:00 Munetake Momose (Ibaraki U.)
High Resolution Observations of Dust Continuum Emission at 340 GHz from the Low-Mass T Tauri Star FN Tauri
- 16:00-16:20 Catherine Walsh (Queen's Univ. Belfast)
Molecular Line Emission from Protoplanetary Disks
- 16:20-16:50 Olja Panic (ESO)
Gas and Dust Distribution in Protoplanetary Disks
- 16:50-17:00 Satoshi Yamamoto (U. Tokyo)
Concluding Remarks

POSTERS

- (1) Takahiro Yamaguchi (U. Tokyo) *Line Survey of L1157 B1 Shocked Region*
- (2) Osamu Saruwatari (U. Tokyo) *Molecular Outflows in NGC2264*
- (3) Tatsuya Shiino (U. Tokyo) *Development of THz HEB Mixers at U. Tokyo*
- (4) Masao Saito (NAOJ) *How to push your research with ALMA*
- (5) Kazuhisa Kamegai (JAXA) *ASTE Observations of Complex Organic Molecules in Southern Massive Star Forming Regions*
- (6) Kenji Furuya (Kobe U.) *Carbon Isotope Fractionation in Molecular Clouds*
- (7) Shuro Takano (NRO) *Line Survey Project with NRO 45 m Telescope*
- (8) Kazuya Saigo (NAOJ) *Proposal of Identification of the Rotating First Core*