

Proposed program for the second ISSI meeting

Tuesday 2, December 2008

9:00-9:10 Welcome + program

Presentation of reviews on important reactions + discussion

9:10-9:40 Identification of important reactions in dense clouds
V. Wakelam

9:40-10:40 Neutral-Neutral reactions
I. Smith, JC Loison, etc

10:40-11:00 Coffee break

11:00-11:40 Association reactions
I. Smith, D. Gerlich, JC Loison etc

11:40-12:40 Dissociation reactions
W. Geppert etc

12:40-14:00 Lunch

14:00-15:00 Ion-neutral reactions
D. Gerlich, D. Talbi, I. Smith, JC Loison etc

15:00-15:45 Effects of new rate coefficients on models based on UMIST
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15:45-16:15 Coffee Break

16:15-17:30 Effects of new rate coefficients on models based on OSU
V. Wakelam

17:30-18:00 Discussion

Wednesday 3, December 2008

Other topics

9:00-10:00 How do you construct a chemical network for astrochemistry?
E. Herbst

10:00-10:45 Uncertainty representations for dissociative electron recombination rates and branching ratios
Pascal Pernot

10:45-11:15	Coffee Break
11:15-12:45	Ion-polar reactions <i>J. Troe, E. Herbst, V. Wakelam etc</i>
12:45-14:00	Lunch
14:00-15:00	Anions and PAHs chemistry <i>E. Herbst, V. Wakelam, others</i>
15:00-16:00	New theory on electron-neutral sticking reactions <i>J. Troe</i>
16:00-16:20	Coffee Break
16:20-16:40	Potential importance of neutral-neutral reactions with the CH ₂ radical <i>E. Roueff</i>
16:40-17:40	Discussion about interactions between chemists and astrophysicists (databases, structures, networks, conference etc) <i>Presentation of various actions in astrochemistry</i>
17:40-18:10	Discussion about the paper
19:30	Dinner together

Thursday 4, January 2008

Surface chemistry

9:00-9:30	Surface chemistry: Summary of Herma's workshop <i>H. Cuppen</i>
9:30-10:00	Influence of H ₂ formation rate in PdR models <i>E. Roueff and H. Cuppen</i>
10:00-10:15	Coffee Break
10:15-10:45	Monte-carlo simulations versus rate coefficient methods <i>A. Vasyunin</i>
10:45-11:15	News on photo-evaporation rates <i>K. Öberg</i>
11:15-13:00	Discussion: What next?

Participants

Marcelino Agundez Chico (Instituto de Estructura de la Materia, Spain)
Herma Cuppen (Leiden Observatory, The Netherlands)
Wolf Dietrich Geppert (Stockholm University, Sweden)
Prof. Dieter Gerlich (Technische Universitaet Chemnitz, Germany)
Prof. Eric Herbst (The Ohio State University, USA)
Jean-Christophe Loison (Institut des Sciences Moléculaires, France)
Karin Oberg (Leiden Observatory, The Netherlands)
Pascal Pernot (Laboratoire de Chimie Physique, France)
Evelyne Roueff (LUTH, France)
Prof. Ian Smith (University Chemical Laboratory, UK),
Dahbia Talbi (Université de Montpellier, France)
Prof. Jürgen Troe (University of Göttingen, Germany)
Anton Vasyunin (Max Planck Institute for Astronomy, Germany)
Valentine Wakelam (Laboratoire d'Astrophysique de Bordeaux, France)