

Saturday 11 February 2012

SATELLITE MEETING

Organised by Professor Takeshi Oka FRS

Session 1: Theory

Discussion leader:

Alex Alijah, *University of Reims*

09:00 **Ralph Jaquet**,

University of Siegen

Non-adiabatic calculations for rovibrational states of H_2^+ , H_2 and H_3^+

09:25 **Rita Prosimiti**,

CSIC

A theoretical spectral survey of H_5^+ and Isotopologs

Session 2: Spectroscopy

Discussion leader:

Takayoshi Amano,

University of Waterloo

09:55 **Jow-Tsong Shy**

National Tsing Hua University

Observation of the Infrared Saturation spectrum of H_3^+

10:20 **Viatcheslav Kokoouline**

University of Central Florida

The H_3^- molecular ion as probe for H^- in the interstellar medium?

10:45 Coffee and tea

Session 3: Chemistry

Discussion leader

Ben McCall,

University of Illinois at Urbana-Champaign

11:15 **Radek Plasil**

Charles University, Prague

Binary and ternary association of H^+ + H_2 .

11:40 **Françoise Pauzat** and Yves

Ellinger, *Université Pierre et Marie Curie*

Olivier Mousis

Besancon Observatory

H_3^+ versus H_2O :

1- Competition for the trapping of noble gases

2- Implication for the outer solar system composition

12:15 Lunch

Session 4: Recombination

Discussion leader:

Andreas Wolf,

Max-Planck Institute for Nuclear Physics

13:30 **Juraj Glosik**

Charles University, Prague

State selective recombination of H_3^+ .

13:55 **Rainer Johnsen**

University of Pittsburgh

Kinetic processes in recombining H_3^+ plasmas

14:20 **Rich Thomas**

Stockholm University

DESIREE: A unique cryogenic electrostatic storage ring for merged ion-beams studies

14:45 Coffee and tea

Session 5: Astronomy

Discussion leader:

Takeshi Oka FRS,

University of Chicago

15:15 **Edith Falgarone**

Observatoire de Paris, ENS and CNRS

Comparison of H_3^+ and CH^+ abundances in diffuse molecular gas

15:40 **Peter Schilke**

University of Köln

Comparison of velocity profiles of light hydrides in the Galactic Center region

16:15 **Miwa Goto**

Max-Planck Institute for Astronomy

Looking at the Galactic center in the light of near infrared spectroscopy of H_3^+ and CO

16:40 **Rowin Meijerink**

Kapteyn Astronomical Institute

H_3^+ in high redshift AGN

17:05 Close