Tuesday, 22 October 2019

17:00 – 21:00 Registration
from 18:30 BUFFET SUPPER / Informal get together

Wednesday, 23 October 2019

07:30 BREAKFAST
09:00 – 09:10 Thomas Giesen Introduction
Chair: Alexey Potapov
09:10 – 10:00 Stephan Schlemmer The boon and bane of high-resolution spectroscopy
10:00 – 10:50 Luca Dore The role of the submillimeter-wave spectroscopy in astrochemistry
10:50 – 11:10 COFFEE BREAK
11:10 – 12:00 Olivier Pirali Far-infrared spectroscopy of astrophysical molecules using synchrotron radiation
12:00 – 12:50 Thomas Schultz CRASY: Correlated mass-rotation spectra of heterogeneous samples
12:50 Conference photo (in the foyer of the lecture hall)
13:00 LUNCH
Program

Wednesday, 23 October 2019

**Chair: Stephan Schlemmer**

14:30 – 15:20 Satoshi Yamamoto  
Chemical evolution and its diversity in disk forming regions

15:20 – 16:10 Arnaud Belloche  
Molecular complexity in the interstellar medium

16:10 – 16:30 COFFEE BREAK

16:30 – 17:20 Aurore Bacmann  
Complex organic molecules in cold dark cores - progress and challenges

17:20 – 18:10 Markus Röllig  
PDR modelling review

18:10 – 19:30 **Round table**

19:30 DINNER
Thursday, 24 October 2019

07:30  BREAKFAST

**Chair: Cornelia Jäger**

09:00 – 09:50  Harold Linnartz  
*From small to tall: Molecular complexity in interstellar ices*

09:50 – 10:40  Farid Salama  
*The chemical evolution of cosmic carbon: Laboratory studies with the COSmIC facility*

10:40 – 11:00  COFFEE BREAK

11:00 – 11:50  Ewen Campbell  
*Electronic spectroscopy of molecular ions of astrochemical interest*

11:50 – 12:40  Melanie Schnell  
*A multi-spectroscopic approach to reveal the astrochemistry of polycyclic aromatic hydrocarbons*

12:40  LUNCH

14:30 – 14:45  Stefan Jorda  
*About the Wilhelm and Else Heraeus Foundation*

**Chair: Friedrich Wyrowski**

14:45 – 15:35  Tomasz Kamiński  
*Shock chemistry and rare isotopologues around eruptive stars*

15:35 – 16:25  Javier Goicoechea  
*Chemistry in UV-irradiated interstellar clouds*

16:25 – 16:45  COFFEE BREAK

16:45 – 19:00  **Poster session**

19:30  HERAEUS DINNER at the Physikzentrum  
*(cold & warm buffet, free beverages)*
Program

Friday, 25 October 2019

07:30          BREAKFAST

Chair: Harold Linnartz

09:00 – 09:50  Christina Puzzarini  Rotational spectroscopy, quantum chemistry and the astrochemical challenges

09:50 – 10:40  Svitlana Zhukovska  Destruction and re-formation of grains in an inhomogeneous interstellar matter

10:40 – 11:00  COFFEE BREAK

11:00 – 11:30  Guido Fuchs  High-resolution spectra of small molecules and the astronomical search for them in late-type stars

11:30 – 12:00  Alexey Potapov  Chemistry on the surface of cosmic dust grains

12:00 – 12:30  Thomas Giesen  Wrap-up, poster awards

12:30          LUNCH

End of the seminar and FAREWELL COFFEE / Departure

Please note that there will be no dinner at the Physikzentrum on Friday evening for participants leaving the next morning.