

Program

Sunday, 30 January 2022

17:00 – 20:00 Registration

18:00 *BUFFET SUPPER and informal get-together*

20:15 – 20:30 Scientific organizers **Welcome words**

Chair: Laurent Nahon

20:30 – 21:30 Wim Ubachs **Precision measurements of molecular
hydrogen in search for new physics**

Program

Monday, 31 January 2022

08:00 *BREAKFAST*

Chair: Christa Fittschen

09:00 – 10:00 Majed Chergui **Perspectives in ultrafast X-ray spectroscopy**

10:00 – 10:40 Zhandong Wang **Recent progress of autoxidation chemistry by advanced mass spectrometry**

10:40 – 11:00 *COFFEE BREAK*

11:00 – 11:40 Patrick Hemberger **New mechanistic insights into catalytic processes by detection of highly reactive intermediates**

11:40 – 12:20 Tina Kasper **Pollutant formation in energy conversion processes**

12:20 – 12:40 Dusan Bozanic **Velocity Map Imaging VUV Angle-Resolved Photoemission on Isolated Plasmonic Nanostructures**

12:40 – 12:45 **Conference Photo** (in the front of the lecture hall)

13:00 *LUNCH*

Program

Monday, 31 January 2022

Chair: Majdi Hochlaf

15:00 – 15:40	Daniel Rolles	Gas-phase photochemistry studies with free-electron lasers
15:40 – 16:20	Tatiana Marchenko	Ultrafast dynamics in molecules without ultrafast light sources
16:20 – 16:40	Danylo Matselyukh	Decoherence and revival in attosecond charge migration driven by non-adiabatic dynamics
16:40 – 17:00	<i>COFFEE BREAK</i>	
17:00 – 17:40	Olivier Pirali	High-resolution molecular spectroscopy in the THz region using synchrotron radiation
17:40 – 18:40	Stephen Pratt	Multiple probes of photoionization dynamics
18:40 – 19:00	Stefan Jorda	About the Wilhelm and Else Heraeus-Foundation
19:30	<i>DINNER</i>	
20:30	Poster session on site	

Program

Tuesday, 01 February 2022

08:00 *BREAKFAST*

Chair: Gustavo Garcia

09:00 – 09:40 Berenger Gans **VUV photoionization spectroscopy of free radicals with synchrotron- and laser-based experiments**

09:40 – 10:20 Xiaofeng Tang **Vacuum ultraviolet photochemistry of peroxy radicals in the gas phase**

10:20 – 10:40 Diksha Garg **Ultrafast fragmentation and relaxation dynamics of fluorene observed on femtosecond timescales**

10:40 – 11:00 *COFFEE BREAK*

11:00 – 12:30 **Poster session I online**

13:00 *LUNCH*

Chair: Jorda Bouwman

15:00 – 15:40 Christine Joblin **Studying the properties of astro-PAHs under VUV synchrotron radiation**

15:40 – 16:00 Lyna Bourehil **Investigation of ligand electronic effects on iron cyclopentadienyl complexes using photoelectron spectroscopy**

16:00 – 16:20 Domenik Schleier **Kinetics of 1- and 2-Methylallyl + O₂ reaction, investigated by photoionisation using synchrotron radiation**

16:20 – 16:35 *BREAK*

16:35 – 18:00 **Poster session II online**

19:30 *DINNER*

Program

Wednesday, 02 February 2022

08:00 *BREAKFAST*

Chair: Olle Björneholm

09:00 – 09:40 Fabian Holzmeier **Dissociative photoionization of EUV lithography photoresist models**

09:40 – 10:20 Ruth Signorell **Photon sources for the study of aerosol formation and photochemistry**

10:20 – 11:00 Bernd Winter **Advances in liquid-jet photoelectron spectroscopy**

11:00 – 11:20 *COFFEE BREAK*

11:20 – 12:00 Sadia Bari **Soft X-ray absorption spectroscopy of isolated biomolecules**

12:00 – 12:20 Florian Trinter **Ultrafast temporal evolution of interatomic Coulombic decay in NeKr dimers**

12:20 – 12:40 Deependra Jadoun **Time-resolved photoelectron spectroscopy of conical intersections with attosecond pulse trains**

13:00 *LUNCH*

Program

Wednesday, 02 February 2022

Chair: tba

15:00 – 15:40	Carlo Callegari	Molecular physics and physical chemistry at the FERMI/LDM beamline
15:40 – 16:00	Dennis Mayer	Following excited-state chemical shifts in molecular ultrafast X-ray photoelectron spectroscopy
16:00 – 16:20	Laura Carlini	A gas-phase study of cyclo-dipeptides containing an aromatic side chain: photoemission and state-selected fragmentation
16:20 – 16:40	Jacopo Chiarinelli	Unveiling inter- and intra-molecular interactions in homogeneous and hydrated uracil clusters
16:40 – 17:00	<i>COFFEE BREAK</i>	
17:00 – 17:40	Rebecca Caravan	Direct studies of an elusive reactive intermediate: understanding the chemistry of Earth's lower atmosphere using synchrotron-coupled mass spectrometry
17:40 – 18:20	Kevin Wilson	Probing gas-surface reactions in aerosols using synchrotron radiation
19:30	<i>HERAEUS DINNER</i> <i>(social event with cold & warm buffet with complimentary drinks)</i>	

Program

Thursday, 03 February 2022

08:00 *BREAKFAST*

Chair: Ingo Fischer

09:00 – 10 :00 Jos Oomens **FEL-based IR ion spectroscopy for
molecular structure identification in
mass spectrometry**

10:00 – 10:40 Francesca Calegari **Realtime tracking of the electron
dynamics in complex molecules**

10:40 – 11:00 *COFFEE BREAK*

11:00 – 11:20 Gabi Wenzel **Infrared spectroscopy of isomers
formed in the –H dissociative ionization
of methyl-PAHs**

11:20– 11:40 Rémi Dupuy **Photoelectron angular distributions
from surfactants at the liquid-vapor
interface**

11:40 Scientific organizers **Closing remarks**

12:30 *LUNCH*

End of the seminar and departure

NO DINNER for participants leaving on Friday morning