

BENCH goes Berlin Workshop 2022

Time	Mon 24.10.	Tue 25.10.	Wed 25.10.	Thu 26.10.
08:00				
08:20		Breakfast	Breakfast	Breakfast
08:40				
09:00		get to venue	get to venue	get to venue
09:20		Talks session 1	Talks session 3	
09:40		F. Kraft	N. Walter & X. Liu	
10:00		A. Pereverzev	X. Liu	
10:20		S. Schweer	R. Dohmen	Final words
10:40	<i>all external quests</i>			Closing discussion
11:00	Arrival & Registration Hotel	Coffee break	Coffee break	
11:20		Talks session 2	Talks session 4	
11:40		M. Grellmann	M. Taccone	
12:00	Walk to	M. Flach	P. Meyer	
12:20	<i>Trattoria Toscana</i>	M. da Silva Santos	S. Jäger	Lunch
12:40		Discussion	Discussion	
13:00	Lunch			
13:20		Lunch	Lunch	Open feedback round
13:40	get to venue			
14:00	Welcoming words	get to excursion	get to excursion	<i>all external quests</i>
14:20	Event information			get to train station
14:40	Break			
15:00	Flash talks – session I			
15:20				
15:40	Break			
16:00	Flash talks – session II	Excursion (Helmholtz Zentrum)	Excursion (Fritz Haber Institut)	
16:20				
16:40				
17:00				
17:20				
17:40				
18:00				
18:20				
18:40				
19:00	Networking	Networking	Networking	
19:20				
19:40				

Monday: 24.10.2022

Flash talks I:

René Rahrt

Ion-molecule reactions: Determination of bimolecular rate constants

Katja Ober

IR spectroscopy of carbocations in helium nanodroplets

Martijn Tepaske:

Tunneling in Solution

América Torres-Boy

One- and two-color IR experiments on ions in helium droplets

Elisabeth Sennert:

IR spectroscopy of cooled radical-alcohol clusters

Flash talks II:

Jan Horlebein

Gas-phase IR spectroscopy of ion mobility separated biomolecules

Catherine Olguin

Enantioselective synthesis of helicenes via Au-catalysis. Benchmarking inversion barriers

Jerome Riedel

Biomolecules in the Gas-Phase - A Messenger Tagging and Helium Droplet Action Spectroscopy Approach

Benjamin Schröder

(Ro)vibrational Spectroscopy - Right for the right reasons

Tuesday: 25.10.2022

Session I:

Finn Kraft

A lithium bromide–boronate model complex for the understanding of the transmetalation reaction

Aleksandr Pereverzev

Infrared spectroscopy of biomolecular and metalloorganic ions in the gas phase

Sophie Schweer

A combined FTIR and Raman study about the search for acid-cohol complexes

Session II:

Max Grellmann

Probing Vibrational Wave Packet Dynamics of Small Silver Clusters

Max Flach

Gas phase x-ray absorption spectroscopy, an opportunity for obtaining benchmark data?

Mayara da Silva Santos

Spectroscopic fingerprint of reactive metal-oxygen species

Wednesday: 26.10.2022

Session III:

Nicole Walter & Xiangyue Liu

Hyperfine resolved Spectroscopy of Aluminum Monofluoride

Xiangyue Liu

The performance of CCSD(T) for the calculation of dipole moments in diatomics

Robin Dohmen:

Rotational spectroscopy as a tool for benchmarking structures

Session IV:

Martín Taccone

Infrared action spectroscopy of ions embedded in helium nanodroplets

Philipp Meyer

Neutral Helium Nanodroplets: Technique and Troubles

Svenja Jäger

Generating Data with Superfluid Helium Nanodroplet Spectroscopy

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