

Program

Sunday, 19 May 2019

17:00 – 21:00	Registration	
from 18:30	<i>BUFFET SUPPER / Informal get together</i>	
20:00	Key note Paul Scheier	Ionization of large Helium nanodroplets

Monday, 20 May 2019

07:30	<i>BREAKFAST</i>	
08:45 – 09:00	Marcel Mudrich Henrik Stapelfeldt	Opening and welcome
09:00 – 09:45	Introductory 1 Misha Lemeshko	Quasiparticle approach to far-from-equilibrium dynamics of molecules in Helium nanodroplets
09:45 – 10:20	Invited 1 Adam Chatterley	Imaging controlled complex in Helium droplets with Coulomb explosion
10:20 – 10:50	<i>COFFEE BREAK</i>	
10:50 – 11:25	Invited 2 Frank Stienkemeier	Two-dimensional coherent spectroscopy of doped Helium nanodroplets
11:25 – 12:00	Invited 3 Florent Calvo	Stepwise solvation of polycyclic aromatic hydrocarbons by Helium: curvature and dynamical effects
12:00 – 12:45	Poster flash	
12:45	Conference Photo (in front of the Physikzentrum/Main entrance)	
12:50	<i>LUNCH</i>	

Program

Monday, 20 May 2019

14:00 – 14:45	Introductory 2 Jochen Küpper	Controlled molecules and nanoparticles
14:45 – 15:20	Invited 4 Daniela Rupp	Ultrafast dynamics in Helium nanodroplets
15:20 – 15:55	Invited 5 Vitaly Kresin	Polar molecules entrapped in Helium nanodroplets: Electric deflection, size separation, charge migration
15:55 – 16:30	<i>COFFEE BREAK</i>	
16:30 – 17:05	Invited 6 Aaron Laforge	Intermolecular decay mechanisms in doped Helium droplets induced by XUV radiation
17:05 – 17:25	Hot topic 1 Sweta Erukala	Shapes of rotating ^3He droplets
17:25 – 17:45	Hot topic 2 Devendra Mani	Accessing different binding sites of a multifunctional molecule in Helium droplets
17:50 – 18:30	Free discussions / Advisory board meeting	
18:30	<i>HERAEUS DINNER at the Physikzentrum (cold & warm buffet, free beverages)</i>	
20:00	Posters	

Program

Tuesday, 21 May 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Introductory 3 Andrew Ellis	Accessing challenging molecular species using helium droplets: clusters, complexes and ions
09:45 – 10:20	Invited 7 Sergiy Krasnokutskiy	Experimental characterization of the energetics of low-temperature surface reactions
10:20 – 10:50	<i>COFFEE BREAK</i>	
10:50 – 11:25	Invited 8 Gert von Helden	Spectroscopy of mass/charge selected cations and anions in Helium droplets
11:25 – 12:00	Invited 9 Ruth Signorell	Influence of electron scattering on the properties of the hydrated electron
12:00 – 12:20	Hot topic 3 Florian Lackner	Photoinduced formation of RbSr molecules on Helium droplets from spatially separated Rb and Sr atoms
12:20 – 12:40	Hot topic 4 Nadine Halberstadt	Can 0.4K He induce electronic relaxation? The case of Rb and Ba⁺ @ superfluid He droplets
12:45	<i>LUNCH</i>	
14:00 – 14:45	Introductory 4 Gary Douberly	Infrared spectroscopy of alkyl radicals in Helium droplets and solid <i>para</i>-hydrogen
14:45 – 15:20	Invited 10 Martina Havenith	Acid Solvation versus dissociation at "stardust conditions": reaction sequence matters!
15:20 – 15:55	Invited 11 Manuel Barranco	Superfluid Helium nanodroplets: The many impurities, many vortices cornucopia
15:55 – 16:30	<i>COFFEE BREAK</i>	

Program

Tuesday, 21 May 2019

16:30 – 17:05	Invited 12 Markus Koch	Femtosecond photoexcitation dynamics of atoms and molecules inside Helium nanodroplets
17:05 – 17:25	Hot topic 5 Alkwin Slenczka	Stark-spectroscopic investigations of large organic molecules in superfluid Helium nanodroplets
17:25 -17:45	Hot topic 6 Josef Tiggesbäumker	Auger emission from the Coulomb explosion of Helium nanoplasmas
17:50 – 18:30	Guided discussions	
18:30	<i>DINNER</i>	
20:00	Posters	

Program

Wednesday, 22 May 2019

08:00	<i>BREAKFAST</i>	
09:00 – 09:45	Introductory 5 Andrey Vilesov	Quantum vortices in superfluid Helium droplets
09:45 – 10:20	Invited 13 Wei Kong	Trapping of multiple ions and suppression of multiphoton ionization by large Helium droplets
10:20 – 10:50	<i>COFFEE BREAK</i>	
10:50 – 11:25	Invited 14 Oliver Gessner	Ultrafast energy transfer in doped He nanodroplets studied by femtosecond XUV photoelectron imaging
11:25 – 12:00	Invited 15 Thomas Fennel	New routes to imaging the classical and quantum dynamics of finite systems
12:00 – 12:45	Wrap-up Jussi Eloranta	“Wrap up” talk of QFC2019
12:45 – 13:00	Marcel Mudrich Henrik Stapelfeldt	Poster awards and closing remarks
13:00	<i>LUNCH</i>	

End of the seminar and Departure

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