

Dec. 4th to Dec. 6th 2019

Wednesday, December 4th, 2019: Young Scientists and Neutron Day Lise-Meitner Campus Hahn-Meitner-Platz 1 14109 Berlin				
13:00 – 16:00	Registration		(LMC-Foyer and Café Jahn)	
13:30 – 15:15	Young Scientists Session	(Chair: Susan Schorr)	(Lecture Hall)	
13:30	Jan Lüning (HZB)			
13:45	Opening Margarita Russina (HZB) NEAT			
14:00		weig, Germany) on atacamite, Cu ₂ Cl(OH) ₃ , a model cor	npound for the S =	
14:15	, ,	t, Germany) ons in Ca₂RuO₄ studied by neutron triplo	e-axis spectroscopy	
14:30	Stephan Allenspach (PSI, Sw			
14:45		ll efficiency: the Cu ₂ ZnSn(S _x Se _{1-x}) ₄ mono	ograin case	
15:00	Anderson Sepulveda (Federa Title to be announced	al University of ABC, Brazil)		
15:15 – 15:45	Coffee Break		(Café Jahn)	
15:45 – 18:00	Farewell from BER II (C	hair: Jan Lüning)	(Lecture Hall)	
Introduction Astrid Schneidewind (Komitee Forschung mit Neutronen) Welcoming Words Bernd Smarsly (Universität Giessen, Germany) 20 years of neutron scattering − insights into nanostructured SiO₂ and carbon Ingo Manke (HZB) Science with Neutrons and Tomography Peter Smeibidl (HZB) Neutron experiments under extreme conditions: Sample Environment Sparkling Wine Reception				
18:00-22:00	Farewell Party: Poster	Session & Buffet	(LMC-Foyer and Café Jahn)	



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Thursday, Deco	ember 5th, 2019:	Wilhelm-Conrad-Roentgen Campus Albert-Einstein-Str. 15 Rudower Chaussee 17 12489 Berlin
09:00 – 16:00	Vendor Exhibition	WISTA Centre
08:30 - 16:30	Registration	WISTA Centre
15:00 – 18:30	Poster Set-up (BESSY II - experimental hall)	
09:30 - 09:40	Opening Bernd Rech (HZB)	Bunsen Auditorium
09:40 - 10:10	Key Note Lecture (Chair: Manfred Weiss)	
	Gert Weber (Universität Greifswald/HZB, Germany) Structural basis of enzymatic plastic degradation - en rout economy	e to a sustainable circular
10:10 - 10:20	Tribute to Sergey Troyanov for 2000 solved structures at M.	X@BESSY II
10:20 – 10:50	Coffee Break and Vendor Exhibition	WISTA Centre
10:50 - 12:30	Oral Presentations I (Chair: Marcus Bär)	Bunsen Auditorium
10:50	Sebastian Wintz (PSI, Switzerland and HZDR, Germany) Spin textures and spin waves as seen by X-ray microscopy	
11:10	Wolfgang Kuch (Freie Universität Berlin, Germany) Manipulating magnetic domains by single ultrashort laser pulses	
11:30	Ute Cappel (KTH - Royal Institute of Technology, Sweden) Stability of perovskite materials for solar cells investigated with photoelectron spectroscopy	
11:50	Artiom Magomedov (Kaunas University of Technology, Lithuania) Self-Assembled Hole Transporting Monolayer for Highly Efficient Perovskite Solar Cells	
12:10	Janina Kneipp (Humboldt Universität zu Berlin, Germany) Plasmonic nanoparticle probes in cells: Insights from X-ray	y tomography
12:30 – 13:30	Lunch Break	(Canteens on site)



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13:30 – 15:10	Oral Presentations II (Chair: Christian Papp)	Bunsen Auditorium	
13:30	Martin Hennecke (Max-Born-Institut Berlin, Germany) Angular Momentum Flow During Ultrafast Demagnetization of a Ferrimagnet		
13:50	Travis Jones (Fritz-Haber-Institut Berlin, Germany) The Electronic Structure of Iridium Oxyhydroxides during Electrocatalytic Oxygen Evolution		
14:10	Phil Mason (Czech Academy of Science, Czech Republic) Almost the Weirdest Thing in the Universe Meets BESSY		
14:30	Simon Krause (University of Groningen, Netherlands) X-rays and neutrons shed light on negative gas adsorption mechanism in flexible metal-organic frameworks		
14:50	Astrid Brandt (HZB) Unveiling Hidden Secrets: Cultural Heritage Studies at HZB – A Selection		
15:10 – 15:20	Report from the User Committee and the ESUO	Bunsen Auditorium	
15:20 – 15:50	Coffee Break and Vendor Exhibition	WISTA Centre	
15:50 – 17:00	Bestowal of Prizes: Friends of Helmholtz-Zentrum Berlin e.V. (Chair: M. Richter)	Bunsen Auditorium	
17:00 – 18:30	Public Lecture Panel and General Discussion on the Climate Challenge Volker Quaschning, Scientists for Future (HTW Berlin) Clara Mayer, Fridays for Future Bernd Rech (HZB)	Bunsen Auditorium	
18:30 – 20:00	Poster Session	(BESSY II Expe- rimental Hall)	
20:00	"Green" Buffet (sponsored by the companies participating in the vendor exhibition)	(BESSY II Foyer)	



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Friday, December Young Scientis	ber 6th, 2019 : ts and Synchrotron Day	Wilhelm-Conrad-Roentgen Campus Albert-Einstein-Str. 15 Rudower Chaussee 17 12489 Berlin	
8:30 – 10:00	Registration	WISTA Centre	
9:00 – 12:30	Vendor Exhibition	WISTA Centre	
9:00 - 10:30	Synchrotron Session (Chair: Christian Jung)	Bunsen Auditorium	
9:00	Bernd Rech/Jan Lüning (HZB) Welcome		
9:10	Jan Lüning (HZB) BESSY II: Photon Science		
9:30			
0.50	Accelerator - Operation, Development and BESSY VSR & be	RLinPro	
9:50	Ioanna Mantouvalou (TU Berlin) From synchrotron into the lab and back		
10:10	Jens Viefhaus (HZB) BESSY II – beamline maintenance and modernization		
10:30 - 10:40	General Discussion	Bunsen Auditorium	
10:40 - 11:00	Coffee Break	WISTA Centre	
11:00 - 12:30	Young Scientists Session (Chair: Carolin Schmitz-Antoniak)	Bunsen Auditorium	
11:00 11:15 11:30 11:45 12:00 12:15	Interface Induced Structural and Magnetic Reconstructions in NdNiO ₃ Thin Film Structures Heidi Therese Hillier (University of Tromsø, Norway) Enzymes in the ectoine biosynthesis pathway Alice Dupont Juhl (University of Southern Denmark, Denmark) Analysis of Nieman Pick C2 Protein in Regulation of Intracellular Membrane Transport by Combined and Correlative Fluorescent and Soft X-ray Microscopy Maxim Rabchinskii (loffe Institute St Petersburg, Russian Federation) Graphene chemical derivatives and functionalized carbon nanodots: from synthesis to applications Raphael Jay (Universität Potsdam, Germany) Charge distributions of iron photosensitizers probed with L-edge spectroscopies Ludvig Kjellsson (Uppsala University, Sweden) X-ray absorption spectroscopy of the N ₂ + molecular cation		
12:30	Poster Prize and Closing Remarks		
12:40	Traditional curried sausage	WISTA Centre	