

# Preliminary Schedule, MML Workshop at DESY

Dec. 14<sup>th</sup>-16<sup>th</sup>, 2016

## Wednesday, December 14<sup>th</sup>

Time	Title	Speaker	Duration
<b>Plenaries (DESY Auditorium)</b>			
14:00	Welcome / Introduction	Thomas Stöhlker	30`
14:30	RT1 / Highlights	Robin Santra	30` + 5`
15:05	RT2 / Highlights	Joachim Wosnitza	30` + 5`
15:40	RT3 / Highlights	Martin Müller	30` + 5`
16:15	Coffee break		
16:45	RT4 / Highlights	Sibylle Gemming	30` + 5`
17:20	RT5 / Highlights	Tilo Baumbach	30` + 5`
18:30	Dinner (DESY Canteen)		

## Thursday, December 15<sup>th</sup>

Time	Title	Speaker	Duration
Parallel Sessions: Research Topics			
9:00	RT 1 (SemR 4ab, Bldg. 1b), RT 5 (SemR FLASH, Bldg. 28c) and common session of RT 2, RT 3, RT 4 (DESY Auditorium)		1h30`
10:30	Coffee break		
11:00	RT 1, RT 5 and common session of RT 2, RT 3, RT 4		2h
13:00	Lunch		
14:00	Research Field Matter	Helmut Dosch	25` +5`
14:45 – 16:45	Poster Session RT 2,3,4 including Coffee (CFEL Foyer, Bldg. 99)		
Parallel Sessions: Research Topics			
17:00 - 18:30	RT 1, RT 5 and common session of RT 2, RT 3, RT 4		1h30'
19:00	Poster session RT 1,5 and Reception (CFEL Foyer, Bldg. 99)		

## Friday, December 16<sup>th</sup>

Time	Title	Speaker	Duration
Plenaries: Facility Topics / Status and Current Developments			
9:00	Research on matter with brilliant light sources (ANKA, BESSY II, FLASH, PETRA III, GEMS-P, XFEL)	Edgar Weckert	25`+5`
9:30	Neutrons for research on condensed matter (BER II, JCNS, GEMS-N, ESS)	Thomas Brückel	15`+5`
9:50	Ion Facilities Physics and materials science with ion beams (IBC, SIS/ESR/HITRAP, FAIR)	Jürgen Fassbender	15`+5`
10:10	Research at highest electromagnetic fields (HLD, ELBE, HIBEF)	Thomas Cowan	15`+5`
10:30	Coffee Break		
Plenaries: MML towards POF IV			
11:00	Resume from the RT sessions	RT Spokespersons	45`
11:45	Big Data and MML	NN	15`
12:00	New Initiatives - tba		1h
13:00	Lunch		

**MML Workshop at DESY**  
**15.12. 2016 Parallel Sessions**  
**RT1**

Time	Title	Speaker
09:00 - 09:15	Extreme-field physics in Penning traps: The ARTEMIS and HILITE experiments	Manuel Vogel (GSI)
09:15 - 09:30	High purity x-ray polarimetry with single-crystal diamonds	Hendrik Bernhardt (HZ Jena)
09:30 - 09:45	High intensity laser interactions at the quantum frontier	Matthew Zepf (HZ Jena)
09:45 - 10:00	New results for the structure of certain warm dense matter states	Jan Vorberger (HZDR)
10:00 - 10:15	Ionization potential depression in dense plasmas	Paul Neumayer (GSI)
10:15 - 10:30	Ion and electron imaging of indole and indole-water	Sebastian Trippel (DESY)
10:30 - 11:00	Coffee break	
11:00 - 11:15	Ultrafast water heating at high XFEL fluences	Ken Beyerlein (DESY)
11:15 - 11:30	Molecular dynamics investigated with free-electron lasers	Benjamin Erk (DESY)
11:30 - 11:45	A new computational tool for describing the behavior of molecules in high-intensity x-ray fields	Sang-Kil Son (DESY)
11:45 - 12:00	Narrowband inverse Compton scattering x-ray sources at high laser intensities	Sergey Rykovanov (HZ Jena)
12:00 - 12:15	Coincidence imaging of molecules with a high-photon-flux high-harmonic source	Jan Rothhardt (GSI)
12:15 - 12:30	THz-based FELs and attosecond sources	Arya Fallahi (DESY)
13:00	Lunch	
14:00	Research Field Matter / PoF IV	Helmut Dosch (DESY)
14:45	Poster Session	
17:00 - 18:30	Strategic discussions; PoF IV; the future of RT1	

**MML Workshop at DESY**  
**15.12. 2016 Parallel Sessions**  
**RT2, RT3, and RT4**

Time	Title	Speaker
09:00 - 09:20	NMR spectroscopy of frustrated quantum spin systems at highest magnetic fields	Hannes Kühne (HZDR)
09:20 - 09:40	Physical realization of a quantum spin liquid based on a complex frustration mechanism	Christian Balz (HZB)
09:40 - 10:00	Magnetism in $\text{EuFe}_2\text{As}_2$ -based Iron Pnictides: Complementary Neutron and X-ray Studies	Wentao Jin (FZJ)
10:00 - 10:20	Controlling Magnon Flow in Topological Spin Textures	Helmut Schultheiß (HZDR)
10:20 - 10:30	Discussion	
10:30 - 11:00	Coffee break	
11:00 - 11:20	In situ studies of engineering materials and processes with high-energy X-rays	Peter Staron (HZG)
11:20 - 11:40	Materials and Processes for Energy and Transport Technologies @ DESY	Andreas Stierle (DESY)
11:40 - 12:00	Local structure and proton transport in HT-PEFCs measured with neutron scattering	Olaf Holderer (FZJ)
12:00 - 12:20	Studying thin-film solar cells and battery materials using electron and soft x-ray spectroscopy	Lothar Weinhardt (KIT)
12:20 - 13:00	Discussion	
13:00	Lunch	
14:00	Research Field Matter / PoF IV	Helmut Dosch
14:45	Poster Session	
17:00 - 17:20	Unusual Coulomb scattering processes in graphene	Stephan Winnerl (HZDR)
17:20 - 17:40	Lattice dynamics of rare earth silicide nanostructures	Svetoslav Stankov (KIT)
17:40 - 18:00	Investigations of nanogranular systems	Stephan Roth (DESY)
18:00 - 18:20	Nano-optical 3D devices for advanced X-ray instrumentation	Alexei Erko (HZB)
18:20 - 18:30	Final discussion	
19:00	Dinner and Poster session	

**MML Workshop at DESY**  
**15.12. 2016 Parallel Sessions**  
**RT5**

Time	Title	Speaker
09:00 - 09:30	Structure and dynamics of gas-phase biomolecules	Sadia Bari (DESY)
09:30 - 10:00	Diffraction Imaging of Macromolecules using Disordered Crystals	Kartik Ayyer (DESY)
10:00 - 10:30	Neutron scattering to study the structure and dynamics of macromolecules	Margarita Krutyeva (FZJ)
10:30 - 11:00	Coffee break	
11:00 - 11:30	Higher-order correlations and the glass transition of complex liquids	Felix Lehmkuehler (DESY)
11:30 - 12:00	Structure and Dynamics of Membranes at Solid Interfaces	Henrich Frielinghaus (FZJ)
12:00 – 12:30	Recent developments on polymer etched ion-track membranes for sensor applications	Maria Eugenia Toimil-Molares (GSI)
12:30 - 13:00	New developments in time-resolved serial crystallography at synchrotrons and XFEL's	Alke Meents (DESY)
13:00	Lunch	
14:00	Research Field Matter / PoF IV	Helmut Dosch
14:45	Poster Session	
17:00 - 17:30	Restructuring of load bearing structures in natural organisms	Florian Wieland (HZG)
17:30 - 18:00	X-ray imaging for developmental biology	Venera Weinhardt (KIT)
18:00 - 18:30	Fast synchrotron imaging of insects	Thomas van de Kamp (KIT)
18:30 – 18:45	Final discussion	
19:00	Dinner and Poster Session	

**MML Workshop at DESY**  
**Poster list, Poster session 15.12. 2016**  
(CFEL Foyer, Bldg. 99)

ID	Title	Primary Authors	RT
1	The quantum vacuum as a dispersive, nonlinear optical material	HARTIN, Anthony	1
2	Electronic, Magnetic, and Vibrational properties of Iridates studied via Nuclear Resonant Scattering	ALEXEEV, Pavel	1
3	Imaging molecular electron dynamics with time- and angle-resolved photoelectron spectroscopy	GORELOVA, Daria	1
4	Thermalization of hot XUV-generated electrons in diamond and LiF	LIPP, Vladimir	1
5	Efficient multi-cycle terahertz generation in periodically poled crystals by optimized pulse formats	BARRE, Damian	1
6	PRIOR - a protom microscope for FAIR	BLAZEVIC, Abel	1
7	Charge transfer dynamics in halomethane molecules ionized by intense femtosecond X-ray pulses	BOLL, Rebecca	1
8	HILITE - A Penning trap to study interactions of ions with intense photon fields	RINGLEB, Stefan	1
9	Ultra-fast solid-to-solid phase transition in diamond	TOLEIKIS, Sven	1
10	High precision laser spectroscopy of highly charged ions: Resonant excitation of Li-like Kr33+ at 136 eV and perspectives for hyperfine structure studies at highest Z with FLASH	BRENNER, Günter	1
11	Thermalization of X-ray-generated electron cascades in diamond and LiF	LIPP, Vladimir	1
12	X-ray induced dynamics in matter: from finite towards macroscopic systems	JUREK, Zoltan	1
13	Relativistic calculations of the non-resonant two-photon K-shell ionization of neutral atoms	HOFBRUCKER, Jiri	1
14	Inner shell excitation of Mn with short intense x-ray pulses	KLUMPP, Stephan/TIEDTKE, Kai (DESY)	1
15	Influence of the coherence of FEL radiation on the multiphoton ionization of highly correlated quantum systems	TIEDTKE, Kai	1
16	Nuclear spin effects in water and ammonia	YACHMENEV, Andrey	1
17	Energy loss of light ions at the stopping-power maximum in a laser-generated plasma	BAGNOUD, V.	1
18	Dynamics of the relativistic interaction of high power laser pulses with sub-micrometer thick target foils	WAGNER, F.	1
19	Development of a FROG for time-resolved characterization of relativistic laser-plasma interactions	HORNUNG, J.	1
20	Phase-matching accelerators for efficient acceleration	LEMERY, Francois	1
21	Tailored pulses for optimized 3D alignment and orientation of asymmetric top molecules	MULLINS, T.	1
22	COMOTION - Controlling the motion of very large molecules and particles	HORKE, Daniel A.	1
23	Ion and electron imaging of indole and indole-water	TRIPPEL, Sebastian	1

24	Coherent imaging of chiral crystals and human skin based on nonlinear fiber-sources	CHIA, Chih-Hsuan	1
25	The ARTEMIS and SPECTRAP experiments for precision spectroscopy of highly charged ions	QUINT, W.	1
26	THz driven electron acceleration and deflection with a multilayer structure	ZHANG, Dongfang	1
27	Towards Imaging Molecular Dynamics through Electron Diffraction	LIVINGSTONE, Ruth A.	1
28	Observation of electron acceleration by intense single cycle THz pulses in a horn-structure ultrafast gun	ZHOU, Chun	1
29	Spatio-temporal insight of complex molecules by laser induced electron diffraction	TRABATTONI, Andreas	1
30	A flexible optical funnel to steer and focus nanoparticles	SUN, Xiaoyan	1
31	THz-induced Kerr effect in liquids	SONG, Liwei	1
32	Cascaded optical parametric chirped-pulse amplification for efficient multi-cycle THz-wave generation	CIRMI, Giovanni	1
33	High-Energy Optical Waveform Synthesizers	CANKAYA, Huseyin	1
34	Terahertz Radiation Driven Dynamics of Magnetic Domain Structures Probed by Free-Electron Laser Light	MUELLER, Leonard	2
35	Study of Mn <sub>1.9</sub> Co <sub>0.1</sub> Sb	CHIKOVANI, Mamuka	2
36	Probing multi-functional Oxides with scattering techniques	ANGST, Manuel	2
37	Studies on Yb and Sm based pyrochlores	PECANHA-ANTONIO, Viviane	2
38	First-order magnetization process as a tool of magnetic-anisotropy determination: the case of U <sub>3</sub> Cu <sub>4</sub> Ge <sub>4</sub>	GORBUNOV, D.i.	2
39	PM2 - A new soft x-ray beamline for magnetism	RYLL, Hanjo	2
40	Evidence for possible quantum spin-ice behaviour in Pr <sub>2</sub> Hf <sub>2</sub> O <sub>7</sub> as seen by inelastic neutron scattering.	SAMARTZIS, Alexandros	2
41	Self-assembly of periodic nanostructure arrays based on ion-induced spontaneous surface nanopatterning	ERB, Denise	2
42	Tuning spin and charge order in geometrically frustrated rare earth ferrites	HAMMOUDA, Sabreen	2
43	Thermal and thermoelectric high-magnetic-field study of the multiband superconductor FeSe	ARSENIJEVIC, Stevan	2
44	Spin-lattice effects in high magnetic fields	ZHERLITSYN, S.	2
45	Coupled charge density wave and magnetism in TbTe <sub>3</sub>	CHILLAL, Shravani	2
46	Highly ordered 3D nanoparticle superlattices investigated by microresonator ferromagnetic resonance	JOSTEN, Elisabeth	2
47	Evolution of antiferromagnetic domains in the all-in-allout ordered pyrochlore Nd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub>	OPHERDEN, Lars	2
48	Pump-Probe Holographic Imaging of Nanoscale Magnetic Domains	PHILIPPI-KOBS, André	2
49	Curved Magnetic Nanomembranes	MAKAROV, Denys	2
50	<sup>77</sup> Se NMR on single crystalline FeSe	MOLATTA, Sebastian	2
51	Proton Disorder in D <sub>2</sub> O - Ice: A Neutron Diffraction Study	SIEMENSMEYER, Konrad	2
52	X-ray quantum optics in thin-film nanostructures	HABER, Johann	2

53	Ion irradiation induced cobalt/cobaltoxide heterostructures: from materials to devices	YILDIRIM, Oguz	2
54	Direct measurements of the magnetocaloric effect in pulsed magnetic fields	SALAZAR MEJIA, Catalina	2
55	Requirements for stoichiometric SrCoO <sub>3-δ</sub> thin films	SCHÖFFMANN, Patrick	2
56	Magnetic Structure of Atomically Exchange Biased Dy <sub>20</sub> Co <sub>80</sub> Film	HOFBAUER, Inken	2
57	Topological quantum phase transition from weak to strong topological insulator	MANDAL, P.S. / RADER, Oliver	2
58	Controlling the Dzyaloshinskii-Moriya interaction to alter the chiral link between structure and magnetism	SIEGFRIED, Sven-Arne	2
59	Chirality induced exchange bias effect in DyCo/FeNi bilayers	LOTT, Dieter	2
60	Alternative routes for magnetic data storage investigated by X-PEEM	KRONAST, Florian	2
61	Spin-wave and electromagnon dispersions in multiferroic MnWO <sub>4</sub> as observed by neutron spectroscopy	XIAO, Yinguo	2
62	Multiferroic compounds under magnetic field and pressure	STREMPFER, Jörg	2
63	Spin structure in the ferroelectric phase of multiferroic Y-type hexaferrite Ba(2-x)Sr <sub>x</sub> Zn <sub>2</sub> Fe <sub>12</sub> O <sub>22</sub>	THAKURIA, Pankaj	2
64	Ground state potential energy surfaces around selected atoms from resonant inelastic x-ray scattering	PIETZSCH, Annette	3
65	Neutron Imaging of Hydrogen Storage Tanks	PRANZAS, P. Klaus	3
66	In-situ Scattering Experiments on the Structural and Morphological Changes of Metal Phosphides as Anode Materials in Lithium-Ion Batteries	FRIELINGHAUS, Henrich	3
67	Soft x-ray spectroscopy on Photosystem II and prototypical metal complexes	KUBIN, Markus	3
68	2-Mercaptopyridine on Excited State Potential Energy Surfaces	ECKERT Sebastian	3
69	Microstructure development and mechanical strength of transient liquid phase bonded gamma-TiAl alloy joints	HAUSCHILDT, Katja	3
70	Effect of Base Metal Texture on the Microstructure, Tensile Properties and Residual Stresses of Laser-Welded Titanium Joints	MAAWAD, Emad	3
71	Microstructure of gas atomized TiAl powders	LAIPPLE, Daniel	3
72	Oxidation behaviour of arc evaporated (Ti,Cr,Al)N coatings studied by SR-XRPD	OSTACH, Daniel	3
73	In-situ tensile texture study of a new high plasticity Mg-RE alloy	GAN, Weimin	3
74	Vicinal ZnO(10-14): surface structure and stability	GRÄNÄS, Elin	3
75	Elucidation of LBG polymer film orientation and structure by NEXAFS and calculation by DFT	BATCHELOR, David	3
76	HESAXS at HEMS	GAYER, Sören	3
77	Inelastic neutron scattering on the magnetocaloric compound MnFe <sub>4</sub> Si <sub>3</sub>	BINISKOS, Nikolaos/ NEMKOVSKIY, Kirill	3
78	Unravelling the mechanism of the magnetocaloric effect in Mn <sub>5</sub> Si <sub>3</sub>	SCHMALZL, Karin	3
79	Sample environments for x-ray tomography at PETRA III beamline P05.	WILDE, Fabian	3
80	Hard X-ray Microscopy Station for Material Research at the Institute for Photon Science and Synchrotron Radiation, KIT	SERGEY, Gasilov	3
81	In situ materials characterisation with SRμCT	HAMMEL, Jörg	3
82	Study of 3D strain and damage interactions in thin-sheet Al alloy materials by synchrotron laminography and digital volume correlation	HELFEN, Lukas	3



83	Indium Sulfide Buffer Layers for Cu(In,Ga)(S,Se) <sub>2</sub> Thin-Film Solar Cells - A Study Using Soft X-Ray and Electron Spectroscopy	HAUSCHILD, Dirk	3
84	In-situ XAS on Li-Ion batteries during electrochemical cycling	MANGOLD, Stefan	3
85	Ultrafast dynamics in transition metal dichalcogenides	SORGENFREI, Florian	3
86	Drivers of charge dynamics and symmetry breaking in photo-excited Ferricyanide	JAY, Raphael M.	3
87	Towards TW-Class Burst-Mode Laser Systems and their Applications	KÖRNER, Jörg	3
88	Bridging time gap in Operando experiments: towards ultrafast surface X-ray diffraction	SHAYDUK, R.	3
89	PtyNAMI: A Ptychographical Nano-Analytical Microscope for In Situ X-Ray Imaging Applications	SCHROPP, Andreas	3
90	Lattice dynamics in ultrathin Ge/Fe <sub>3</sub> Si/GaAs heterostructures	KALT, Jochen	4
91	Tailored thermal conductivity in thin film multilayers	PLECH, Anton	4
92	Three-dimensional networks of interconnected ZnO and Cu <sub>2</sub> O nanowires fabricated by ion-track technology	MOVSESYAN, Liana	4
93	High resolution x-ray focusing with multilayer Laue lenses	MORGAN, Andrew	4
94	Surface structure of Fe <sub>3</sub> O <sub>4</sub> under varying conditions studied by surface x-ray diffraction	ARNDT, Björn	4
95	Time-resolved in-situ X-ray investigations during growth of In <sub>x</sub> Ga <sub>1-x</sub> As core-shell nanowire structures.	FEIGL, Ludwig	4
96	Lattice dynamics of EuO: an evidence for giant spin-phonon coupling	PRADIP, R.	4
97	Fabrication, Structure and Magnetic Behavior of Large Three-Dimensional Nanoparticle Supercrystals	SMIK, Michael	4
98	Custom-Made Magneto-Resistive Multilayer Devices	SCHLAGE, Kai	4
99	Heterostructures of perovskite thin films	SCHRÖDER, Sonja	4
100	Application of Ion Beams to Fabricate and Tune Properties of Dilute Ferromagnetic Semiconductors	ZHOU, Shengqiang	4
101	In-situ studies of pure metal nanoparticle synthesis by laser ablation	PLECH, Anton	4
102	Nitrogen doping in niobium (100) single-crystal	DALLA LANA SEMIONE, Guilherme	4
103	In situ GISAXS analysis of spray deposited biopolymer/ inorganic nanoparticle composites	OHM, Wiebke	4
104	Nanotubes, Nanocones and Nanotube Networks Fabricated by Ion-Track Technology and ALD of TiO <sub>2</sub> , SiO <sub>2</sub> , and Al <sub>2</sub> O <sub>3</sub>	CARRILLO SOLANO, Mercedes Alicia	4
105	High efficiency gratings based on asymmetric-cut multilayers	PRASCIOLU, Mauro	4
106	Observation of sagittal diffraction of x-rays by surface acoustic waves in Bragg geometry.	VADILONGA, Simone	4
107	Single bunch extraction by SAW driven bunch chopper	VADILONGA, Simone	4
108	Bragg coherent x-ray diffractive imaging of a single nanowire	DZHIGAEV, Dmitry	4
109	Probing dynamics in colloidal crystals with pump-probe experiments at LCLS	MUKHARAMOVA, Nastasia	4
110	Angular correlations between atomic lattice and superlattice of PbS nanocrystals assembled with directional linking	ZALUZHNYI, Ivan	4
111	The twofold nature of Coulomb scattering in graphene	KÖNIG-OTTO, Jacob C.	4
112	Metal Nanoparticles on Graphene	CREUTZBURG, Marcus	4
113	Radial growth of self-catalysed GaAs nanowires probed by time-resolved in-situ high-resolution X-ray diffraction	SCHROTH, Philipp	4

114	In-situ time-resolved XRD and RHEED study of the polytypism in GaAs nanowires	JAKOB, Julian	4
115	Silicon Nanowires with NiSi <sub>2</sub> Contacts - Towards Reconfigurable Devices	FUCHS, Florian	4
116	Defect-free accommodation of strain in highly mismatched GaAs/In <sub>x</sub> Ga <sub>1-x</sub> As core/shell nanowires	BALAGHI, Leila	4
117	Constructing nanoelectronic circuits by top-down and bottom-up strategies	KILIBARDA, Filip	4
118	Study of influence of the applied voltage bias on the strain field in a single GaN nanowire	LAZAREV, Sergey	4
119	Interaction of Highly Charged Ions with Surfaces, Membranes and 2D Materials	FACSKO, Stefan	4
120	Coherent diffraction nanocatalysis	ABUÍN, Manuel	4
121	Achievements on ex-situ nano-metrology at the BESSY-II-Optics Lab of the Helmholtz Zentrum Berlin	SIEWERT, Frank	4
122	Comprehensive in situ processing and characterization of nanocomposite materials	KRAUSE, Matthias	4
123	In situ GISAXS investigation of Al growth on a diblock copolymer substrate	BEYERSDORFF, Björn	4
124	VEKMAG - a vector magnet for BESSY II	RADU, Florin	4
125	Ultra-doped Ge for optoelectronics: new perspectives of an old material	PRUCNAL, Slawomir	4
126	Exploring the Electronic Structure and Chemical Homogeneity of Individual Bi <sub>2</sub> Te <sub>3</sub> Nanowires by Nano-Angle-Resolved Photoemission Spectroscopy	TOIMIL-MOLARES, Maria Eugenia	4
127	High Efficiency Multilayer coated Blazed Grating for tender X-rays	SOKOLV, Andrey	4
128	Understanding the local structure of supercooled water via coherent x-ray scattering on liquid jets.	JAIN, Avni	5
129	Nanoscale rheology of phospholipid membranes	JAKSCH, Sebastian	5
130	Structure investigations of magneto-elastomeric nanocomposites	KRUTYEVA, Margarita	5
131	Slow internal protein dynamics in solution observed by Neutron Spin-echo Spectroscopy	BIEHL, Ralf	5
132	Re-association dynamics of supramolecular transient networks	GOLD, Barbara	5
133	Quantitative characterization of degradation processes in situ by means of a bioreactor coupled flow chamber under physiological conditions using time-lapse SR-CT	ZELLER-PLUMHOFF, Berit	5
134	Biofilm formation and bacterial stress response studied by X-ray microscopy	HEINE, Ruth	5
135	Structure and Dynamics of PEGylated proteins: Structure and dynamics of PEGylated phosphoglycerate kinase	CIEPLUCH, Karol	5
136	Propagation based X-ray phase contrast and 4D in vivo imaging of development in <i>Xenopus laevis</i>	TROST, Fabian	5
137	Water Window Ptychographic Imaging of Biological Samples	ROSE, Max	5
138	X-ray imaging application at the multi-contrast laboratory setup at IPS	ZUBER, Marcus/ ENGELHARDT, Sabine	5
139	Flow-induced alignment of spindle shaped particles using microjets	VALERIO, Joana	5
140	Polythiophene Based Block Copolymers for Neutron Scattering	RABA, Andreas	5
141	Investigation of Large Biopolymer Assemblies using Synchrotron X-ray Radiation	LORENZ, Charlotte	5

142	MD Simulations of Star Polymers - a look at Branch Point Motion to Investigate Dynamic Tube Dilution and the Role of Functionality	HOLLER, Stefan	5
143	CODE-VITA	HOFMANN, Ralf	5
144	3D scaffolds for cell culturing by means of phase contrast X-ray computed tomography	CECILIA, Angelica	5
145	Time resolved measurement of fluorescence kinetics from Adenine excited by soft X-rays	REDLIN, Harald	5
146	Neutron scattering investigation of the effect of active principles on phospholipid-based membranes.	Gvaramia Manuchar	5
147	Structural organization of the ultra-hard magnetic biominerals in chiton radula teeth	WU, Baohu	5
148	Combining the strengths of Neutrons and Molecular dynamics for the study of bio-membranes	KOUTSIOUMPAS, Alexandros	5
149	Time-resolved Pulsed X-rays	TECHERT, Simone	5
150	Time-resolved crystallography of enzymes and photoactive proteins	PANDE, Kanupriya	5
151	Single fibre diffraction	MORGAN, Andrew	5
152	CrystFEL: Software for serial crystallography	WHITE, Thomas	5
153	Sample delivery systems for crystallography using pulsed sources	OBERTHURER, Dominik	5
154	Getting more from protein crystallography	YEFANOV, Oleksandr	5
155	Simultaneous x-ray fluorescence imaging and ptychography of biological specimens	STACHNIK, Karolina	5
156	Real time analysis for serial diffraction experiments at high data rate	MARIANI, Valerio	5
157	Perfectly orientated mixed dimensional lead bromide perovskite thin film with low ASE threshold	WANG, Rui	5
158	Internal dynamics of denatured Bovine Serum Albumin protein investigated by Inelastic Neutron Scattering	AMESEDER, Felix	5
159	The new fragment-screening beamline BL14.2 at the HZB	HAUSS, Thomas	5
160	Investigation of lipid layers under pressure and shear as model system for synovial joints.	WIELAND, Florian	5
161	Life Science at ANKA	VAN DE KAMP, Thomas/WEINHARDT, Venera	5
162	Serial crystallography using synchrotron and FEL radiation	MEENTS, Alke	5
163	Instruments for Spectroscopy of Biomolecules	DEINERT, Sascha	5
164	The High Brilliance Neutron Source Project	ZAKALEK, Paul	
165	Grating-Based Phase-Contrast Computed Tomography at PETRA III	HIPP, Alexander	
166	Nanotomography at the P05 beamline	GREVING, Imke	