



**USER OFFICE PORTALS, IT TECHNOLOGY,
WORKFLOWS, DATABASES**

Florian Staier



Begriff eingeben, Enter drücken überall

Suchen

Schnelleinstieg

Das Zentrum im Überblick

Neutronen- und Photonenquelle

Forschung

Nutzerkoordination

Angebote

Aktuell

Mediathek

 Nutzerkoordination **IGAMA**

Equipment

 BESSY II – Beamlines [BESSY II – Beamlines](#)

 BESSY II – Experimental Stations [BESSY II – Experimental Stations](#)
[Fixed stations](#)
[Flexible Stations](#)

 BESSY II – Methoden [BESSY II – Methoden](#)
[Absorption](#)
[Diffraction](#)
[Emission/Reflection](#)
[Imaging](#)
[Lithography](#)
[Photoelectron Emission](#)
[Scattering](#)

 BESSY II – Insertion Devices [BESSY II – Insertion Devices](#)
[Undulatoren](#)
[Multipole Wiggler](#)
[Wavelength shifter](#)

 BESSY II Dipoles [BESSY II Dipoles](#)

PMI LowDosePS	10.1	20 – 2000 eV	horizontal	yes	14713
PMI Dipole PGM variable polarisation	12.2	20 – 1900 eV	horizontal circular	no	0049 30 8062 13429
PTB-compton	8.2			no	
PTB-XRS	8.2	78 – 1860 eV	horizontal	yes	
PTB-undispersed	8.2	5 – 40	horizontal	no	

[Sitemap](#) [Contact](#) [Impressum](#) [Mein Intranet](#) [Intranet](#)

Begriff eingeben, Enter drücken überall **Suchen** **Schnelleinstieg**

Das Zentrum im Überblick [Neutronen- und Photonenquelle](#) [Forschung](#) [Nutzerkoordination](#) [Angebote](#) [Aktuell](#) [Mediathek](#)

Nutzerkoordination **IGAMA**

BESSY II – Beamlines: KMC-2

Webseite anzeigen: **IGAMA**

[Administratoren / Personen](#)

KMC-2

Name (Kürzel) *

Bezeichnung *

Standort

zugeordnete OE

Betreuung durch (nur wenn keine HZB-OE)

externe Verpflichtungen / Kooperationen

Partner	%	Kommentar

interne Verpflichtungen

HZB OE	%	Kommentar

DV Account notwendig? ☒ nein ☐ ja

in Betrieb seit

endgültig ausser Betrieb seit

Status

Kommentar

defekt? ☒ nein ☐ ja

in der Terminplanung? ☒ ja ☐ nein

mehrere Termine pro Tag buchbar? ☒ nein ☐ ja

nur Termine ohne Datum buchbar? ☒ nein ☐ ja

Einschränkung der Buchbarkeit auf ☐ Proposal ☐ BOAT-Proposal ☐ Other ☐ Maintenance

☐ Inhouse ☐ BOAT-Contract

Beschreibung für die Anzeige im Web

Sehr stabile Röntgen Strahlungsquelle im Bereich von 4 bis 14 keV, optimiert für stabilisierte Energie-Scans, also für Anwendungen wie EXAFS, XANES oder anomale Streuung.

The beamline provides an experimental set-up for EXAFS, XANES, and X-Ray fluorescence measurements at all in the energy range of 4 keV – 15 keV. Beam intensity is stabilized by MOSTAB electronics with an accuracy of 0.3 %. The detector system consists of three ionization chambers, a Si-PIN photodiode for fluorescence measurements, a scintillation counter and an energy-dispersive detector (Röntec X-Flash). An add-on microprobe capillary system with the spatial resolution of >3.6 µm is available for micro-EXAFS, micro-fluorescence and micro-diffraction experiments. For X-Ray diffractometry and reflectometry the experimental hut is equipped with a 6-axis HUBER goniometer and a 2-dimensional cross-wire detector with a spatial resolution of 150 µm. In addition detectors listed are available. A high-resolution X-ray CCD camera is available.

Beschreibung für die Anzeige im Web unter der Spezifikation



Site map Kontakt Impressum Me

enter search item, press return all sources Search Quick

Overview Neutron and photon source Research User Access Offers New

User Access Online Access GATE GATE

[* User Access](#)
[* Online Access GATE](#)
[* GATE](#)
[* Preparing beamtime](#)
[Guest visits \(HU Ausbildeungsbeamline, PTB\)](#)
[* My proposal](#)
[New proposal](#)
[Proposal list](#)
[Publication list](#)

You have ...

- 19 not submitted proposals
- 1 schedule responsible (tasks)
- 1 beamtime as experimenter
- 35 feedbacks
- 37 reports
- Any new publication

Prepare beamtime

- As responsible
- As member
- MX calendar

After the beam

- Submit feedback
- Submit experiment
- Travel reimbursement

GATE – Florian Staier

Thank you for using GATE.

For open proposals including proposal round 2013–2 please use you in BOAT or BENS Visitors Club.

The web portal offers you access to all kind of information connected II beamtime applications where you are main proposer, co-proposer or

Important: Please check the **Preparing beamtime** section regularly for finished.

Experimentalists

Add experimentalists

Do you have to declare any changes concerning safety conditions?

☐ no ☐ yes

If yes, please specify the changed safety conditions:

Safety confirmation

Chemicals

Samples

My proposal

Publication

Submit a new proposal

Schedule

Exp. Team

23 Apr 2014 03:00 – 27 Apr 2014 11:00

local contact: [Manfred Weiss](#)

Name	Funding requested	Presence
Marta Musterfrau	yes, special request: only guesthouse	23 Apr 2014 – 27 Apr 2014
Max Mustermann, EMBL Heidelberg, DE		23 Apr 2014 – 27 Apr 2014

Add / edit chemicals for Proposal: 14200244-ST/R-3.1-P

08 Sep 2014 - 21 Sep 2014

Name	CAS	Chemical formula	Mass / Volume	Container	radioactive?	contaminant?	toxic?
Ammoniak		NH3	50	Bottle	☐	☐	☐

save changes

submit chemicals

Copy chemical

Ammoniak

copy chemical

Chemical description

Name *

CAS * or Chemical formula *

Mass / Volume * g

Container *

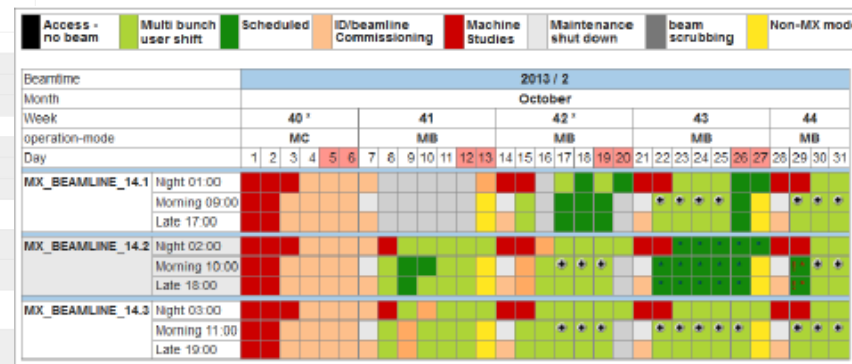
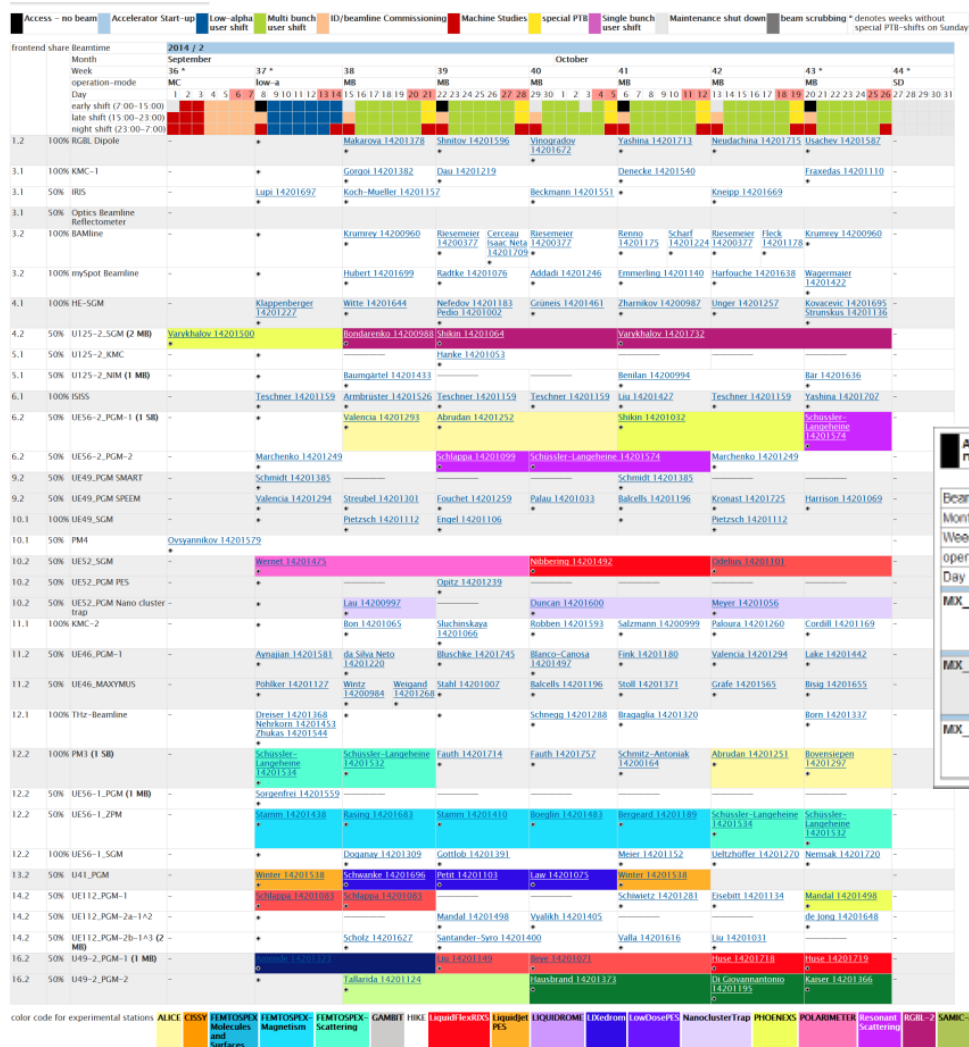
Is the chemical

☐ radioactive? ☐ contaminant? ☐ toxic? ☐ inflammable? ☐ explosive? ☐ corrosive? ☐ biohazardous?

add chemical



CALENDAR TOOLS



Referee section

- [Review proposals](#)
- [Review proposals offline](#)
- [Proposals per call](#)
- [Proposals](#)
- [Reports](#)
- [Old reports \(till 2013/2\)](#)
- [Referee Handbook](#)

HZB-GATE-Review - Microsoft Excel

Proposal	Title	Proposer	PDF	Relevance	Quality	Technical Part	Final	Use of probe justified	Comment for proposer	Comment (SSP visible)
15101796-ST	Absolute absorption cross section measurement of ferrous by TTY and transmission methods.	Viktor Shkvin, RAS UB KSC, Tyumen, RU	15101796-ST.pdf			1.1-P: RGL, Dipole				
15101815-ST	Angle resolved photoemission of electrons from spin gas on Fe(111) level in half-metal antiferromagnetic TiCr1-xAlx	Alexey Shkvin, RAS UB KSC, Tyumen, RU	15101815-ST.pdf			1.1-P: RGL, Dipole				
15101868-ST	Electronic structure and magnetic properties of graphene-protected iron silicide layers	Igor Pronin, RAS Ioffe PTI St. Petersburg, RU	15101868-ST.pdf			1.1-P: RGL, Dipole				
15101935-ST	Self-Assembled Supramolecular Complexes with Rods in Bulk Architecture in the Light of Soft X-rays	Dennis Vyalikh, TU Dresden, DE	15101935-ST.pdf			1.1-P: RGL, Dipole				
15102003-ST	Photoemission and X-ray absorption study of chemistry of DNA silver	Alexei Koronov, SPBU, RU	15102003-ST.pdf			1.1-P: RGL, Dipole				
15102084-ST	Molecular x-ray doping of the novel luminescent P(II) complexes	Anna Makarova, TU Dresden, DE	15102084-ST.pdf			1.1-P: RGL, Dipole				
15102093-ST	X-ray induced graphene oxide reduction studied for graphene lithography	Valery Mikushin, RAS Ioffe PTI St. Petersburg, RU	15102093-ST.pdf			1.1-P: RGL, Dipole				
15102097-ST	Bulk, surface and interface electronic structure of ZnO, ZnTe, BiTe3 single crystals related to topological insulators	Galina Benmanshaya, RAS Ioffe PTI St. Petersburg, RU	15102097-ST.pdf			1.1-P: RGL, Dipole				
15102108-ST	SR-XPS and soft XANES examination of nanoparticles of metal nanotubes and related compounds	Tatyana Mikhlin, RAS UB KIC, Krasnoyarsk, RU	15102108-ST.pdf			1.1-P: RGL, Dipole				
15102109-ST	Investigation of the molecular mechanisms of thermal stability of functionalized nanotubes	Alexsei Podolskiy, RAS Ioffe PTI St. Petersburg, RU	15102109-ST.pdf			1.1-P: RGL, Dipole				
15102110-ST	XPS and KANES study of structure and electronic properties of mono- and bimetallic catalysts based on Pt and Pd	Vasily Kalichev, RAS SB, BIC, Novosibirsk, RU	15102110-ST.pdf			1.1-P: RGL, Dipole				
15102136-ST	XPS and NEXAFS spectroscopic studies of bioactive N and O containing compounds under deformation and heating	Oksana Karben, RAS UB FTI, Juchevsk, RU	15102136-ST.pdf			1.1-P: RGL, Dipole				
15102167-ST	Graphene doping by intercalation of copper and indium atoms studied by core-level spectroscopies	Alexander Vinogradov, SPBU, RU	15102167-ST.pdf			1.1-P: RGL, Dipole				



Working Area - Scientific Selection Panel

2014/2 C6 Material sciences and Hard Condensed Matter 09.05.2014 6

Attendants Protocol Requests Instrument

Request / Allocation list

Number	Proposer	Title	Instrument	Req.	Recomm.	Add. equipment	final score	
14200377	CR-1.1-P						7	
14201053	CR/R-1.1-P						8.5	
14201054	CR/R-1.1-P						7	
14201262	CR-1.1-P						8.5	
14201268	CR-1.1-P						8	
14201720	CR-1.1-P							
14201017	EF/R-1.1-N							
14201018	EF/R-1.1-N							
14201023	EF-1.1-P							
14201079	EF-1.1-N							
14201114								

pts_M - Scientific Selection Panel

Proposal: Title: Materials research based on Sy_microCT, Sy-Refraction-Topography, Sy-XRF, XANES, EXAFS
14200377
CR

Proposer: Hessemer, BAM Berlin, DE

Final score: 7

Abstract:

Part: Instrument: OP Mode: Additional equipment: requested recommend
1.1-P BAMline X BAMline station 7 weeks

Referee	Final	Relevance	Quality	Comment for proposer	
Weyers, Markus	B+	A+	B	As currently the review process is not been really serious. There are three projects mixed into one	Confidential Comment
Henners, Walter	A				Confidential Comment
					Confidential Comment

OK? Feasibility comments: Beamtime Instrument
Beamline Manager: sug. 7 7

SSP Comment for proposer: SSP Comment

Datensatz: 1 von 119 Gefiltert Suchen



The screenshot shows the GATE Admin Tool interface. The top navigation bar includes links for 'Startseite', 'Kontakt', 'Impressum', 'Mein Institut', and 'Hilfe'. Below this is a search bar with the text 'Begriff eingeben, Enter drücken: Suchen' and a 'Schleppen' button. The main content area is titled 'GATE - Admin' and features a sidebar with a tree view of navigation items. The main content area is divided into several sections: 'You have...' (listing 2 uncertified proposals and 14 time instrument proposals), 'Scheduling' (listing Neutrons/Samens reservation, Photos scheduling, MX scheduling, and UAI-TM scheduling), 'Scientists' (listing Scientist feedback submission and Handbook), 'Beamtime - Verwaltung' (listing Durchlaufstermine, Experimentationen, and Gatedown), 'Lists' (listing New Proposal, New Instrument-Time-Proposal, Safety-Check, Proposal, Proposal-Funding-Zuweisung, Proposal-History, Feedback, Reports, and Publications), 'Nutzer und Institute' (listing Institute, Nutzer, Nationalitäten, and Address-Template), 'SSP' (listing aktuelle SSP, Laufzeit-Proposals, BSSV-Operation-schedule, and Beamtime), 'Admin' (listing Einstellungen, Preferences, E-Mail-Templates, E-Mail-senden, Contract-Proposal-Eingabe, Förderprogramme, Infotexte, Wahlen, externe Datenvergabe, externe Messungssysteme, Proposal-Formular-Definition, Feedback-Formular-Definition, Wissenschaftliches Nutzer-Profil, Wissenschaftliche Kategorien, Forschungsgebiete, EU-Kategorien, Grand Challenges, Institutsmarkendeckelungen, Sicherheitsgruppen, Geräte "on schedule" (ICAMA), Kooperationen (ICAMA), EF-Kooperations (ICAMA), Handbooks / Personal settings, Handbook User Office, Handbook STM, Handbook Scientists, Safety check, Scheduling, Handbook SSP Office Tool, Handbook über Handbook-Referenzen, Personal settings, Mail-Archiv, Request-Tracker, and GATE - Übersicht).

You have...

- 2 uncertified proposal BER II (1)

Scheduling

GATE - Admin

You have...

- ▶ 1 Feasibility Checks

Lists

- ▶ New Proposal
- ▶ Safety-Check
- ▶ Proposal
- ▶ User feedback
- ▶ Reports
- ▶ Publications

- [Kostenerstattung](#)

- [Proposal-History](#)
- [Feedback](#)
- [Reports](#)
- [Publications](#)

Nutzer und Institute

- [Institute](#)
- [Nutzer](#)

Scheduling

- ▶ MX scheduling

Scientists

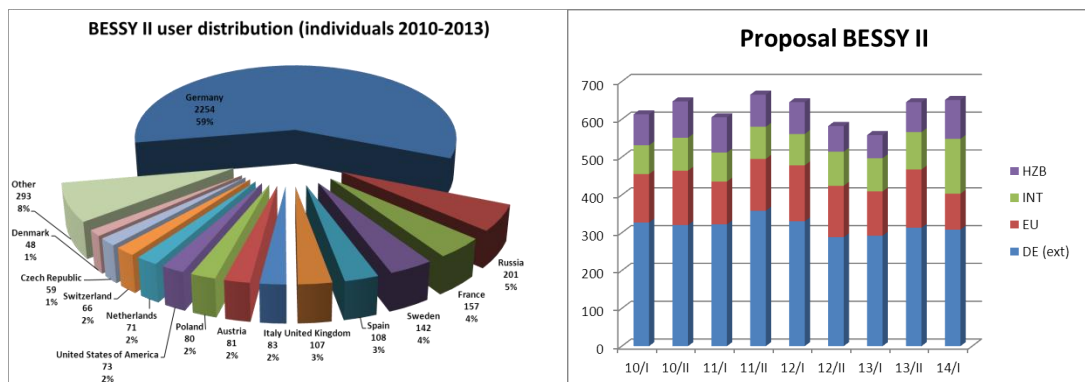
- ▶ Scientist feedback submission

- [Referee-Rankings](#)
- [Beamtime Allocation vergangene SSP](#)
- [Sitzung 09.05.2014 \(2014/2\)](#)
- [Sitzung 25.10.2013 \(2014/1\)](#)
- [allgemein](#)
- [Referees](#)
- [Colleges](#)



Norm_Proposal - Microsoft Access

Alle Access-Objekte	Runde	P_ID	P_P	P_TITLE	PTS	PTS	KURZBEZ	U_SALUTATI	U_FIRSTNAME	U_E	AF_NAME	ADEP_NAME	PST
Serien...	2015/1	1840	ST	Structural Investigation of the Interact	1	KMC-1		Alexander	Alexander	K Alexander Universität Duisburg-Essen	Ingenieurwesen In neu	Ingenieurwesen In neu	
GATE_V_VOL_IMPORT_TEMP	2015/1	1171	ST	HARPES based in-depth profiling of the	1	KMC-1		Boss	Boss	h.boss.m Universität Haverst	Institut für M. In neu	Institut für M. In neu	
GATE_V_VOL_IMPORT_TEMP	2014/2	1110	ST	Characterization of buried interfaces c	1	KMC-1	Dr.	Jordi	F Jbrade	Catalan Institute of Nanoscience and Nanotechnology	Force Probe Me-Walt	Force Probe Me-Walt	
GATE_V_VOL_IMPORT_TEMP	2014/1	837	EF	Investigating key interfaces with hard	2	1 KMC-1		Prof. Dr.-Ing.	Marcus	B marcus, Helmholtz-Zentrum Berlin für Materialien und Energi	Nachwachsgut, Comp	Nachwachsgut, Comp	
ISAMAKAL_VIERTE	2014/2	1232	EF	Investigating key interfaces with hard	2	1 KMC-1		Prof. Dr.-Ing.	Marcus	B marcus, Helmholtz-Zentrum Berlin für Materialien und Energi	Nachwachsgut, Ready	Nachwachsgut, Ready	
ISAMAKAL_VIERTE	2015/1	2126	EF	Hard X-ray Photoemission Characteriz	2	KMC-1		Prof. Dr.-Ing.	Marcus	B marcus, Helmholtz-Zentrum Berlin für Materialien und Energi	Nachwachsgut, In neu	Nachwachsgut, In neu	
ISAMAKAL_TERMI_GERATE	2014/2	1630	EF	Hard X-ray Photoemission Characteriz	2	KMC-1		Prof. Dr.-Ing.	Marcus	B marcus, Helmholtz-Zentrum Berlin für Materialien und Energi	Nachwachsgut, Comp	Nachwachsgut, Comp	
ISAMAKAL_TERMI_GERATE	2014/1	708	ST	Electronic structure of transition meta	1	0 KMC-1		Dr.	Ivana	R iva@hiv "vinca" Institute of Nuclear Sciences	Laboratory for Reject	Laboratory for Reject	
ISAMAKAL_TERMI_GERATE	2014/2	1070	ST	Electronic structure of transition meta	1	0 KMC-1		Dr.	Ivana	R iva@hiv "vinca" Institute of Nuclear Sciences	Laboratory for Reject	Laboratory for Reject	
ISAMAKAL_TERMI_GERATE	2014/1	372	ST	Sn and Si diffusion in pyrite [FeS2] or i	1	0 KMC-1		PD Dr.	Andreas	L andreas Uppsala University	Angström Labor Reject	Angström Labor Reject	
LIBRARY_JHE_STRUKTUR	2015/1	1904	ST	Sn and Si diffusion into nano-films of F	1	KMC-1	PD Dr.	Andreas	L andreas Uppsala University	Angström Labor In neu	Angström Labor In neu	Angström Labor In neu	
LIBRARY_JHE_STRUKTUR	2014/2	1642	ST	Sn and Si diffusion into nano-films of F	1	KMC-1	PD Dr.	Andreas	L andreas Uppsala University	Angström Labor Reject	Angström Labor Reject	Angström Labor Reject	
LIBRARY_JHE_STRUKTUR	2015/1	1968	ST	The chemical states of nanocrystalline	2	KMC-1	PD Dr.	Andreas	L andreas Uppsala University	Angström Labor In neu	Angström Labor In neu	Angström Labor In neu	
LIBRARY_JHE_STRUKTUR	2014/1	529	ST	Towards advanced spin filtering in mag	1	0,5 KMC-1	Prof.	Martina	K mart.m Forschungszentrum Jülich GmbH	PGI-6 - Elektron-Walt	PGI-6 - Elektron-Walt	PGI-6 - Elektron-Walt	
PACTA_VERORDENTUNG	2014/1	381	ST	Controlling the chemical and electroni	1	KMC-1	Prof.	Håkan	R hakan.u Uppsala University	Molekyl- och Ki, Comp	Molekyl- och Ki, Comp	Molekyl- och Ki, Comp	
PACTA_VERORDENTUNG	2015/1	2114	ST	Polarity-dependent band bending at Zn	1	KMC-1	Prof.	Håkan	R hakan.u Uppsala University	Molekyl- och Ki, In neu	Molekyl- och Ki, In neu	Molekyl- och Ki, In neu	
PACTA_VERORDENTUNG	2015/1	2110	ST	Energy level alignment and doping of n	1	KMC-1	Prof.	Håkan	R hakan.u Uppsala University	Molekyl- och Ki, In neu	Molekyl- och Ki, In neu	Molekyl- och Ki, In neu	
PACTA_VERORDENTUNG	2014/2	1660	ST	Diffusion of Na from silica glass throu	1	KMC-1	Prof.	Håkan	R hakan.u Uppsala University	Molekyl- och Ki, Sched	Molekyl- och Ki, Sched	Molekyl- och Ki, Sched	
POP_JHE_PROJEKTE	2014/2	1005	ST	HARPES characterization of near-surf	1	0 KMC-1	Prof.	Yury	K yurmkv Institute of Chemistry and Chemical Technology, RAS	Laboratory of f Reject	Laboratory of f Reject	Laboratory of f Reject	
POP_JHE_PROJEKTE	2015/1	1902	ST	HARPES characterization of near-surf	1	KMC-1	Prof.	Yury	K yurmkv Institute of Chemistry and Chemical Technology, RAS	Laboratory of f In neu	Laboratory of f In neu	Laboratory of f In neu	
POP_JHE_PROJEKTE	2014/2	1671	ST	Quantum entanglement in metal/semi	1	0 KMC-1	Professor	Olaf	K olaf.kar Uppsala University	Molekyl- och Ki, Reject	Molekyl- och Ki, Reject	Molekyl- och Ki, Reject	
POP_JHE_PROJEKTE	2014/1	325	ST	Chemical dynamics at buried organic/	1	KMC-1	Prof. Dr.	Michael	E michael Philipps Universität Marburg	FB Chemie - Ph, Walt	FB Chemie - Ph, Walt	FB Chemie - Ph, Walt	
POP_JHE_PROJEKTE	2014/1	447	ST	Adsorption of Metals on Ionic Liquid S	1	0 KMC-1	Prof. Dr.	Michael	E michael Philipps Universität Marburg	FB Chemie - Ph, Reject	FB Chemie - Ph, Reject	FB Chemie - Ph, Reject	
POP_JHE_PROJEKTE	2014/2	773	EF	Investigation of the CDS/CDS/ZnO in	1	KMC-1	Dr.	Wolfram	C wolfram Helmholtz-Zentrum Berlin für Materialien und Energi	Institut für Hete Comp	Institut für Hete Comp	Institut für Hete Comp	
POP_JHE_PROJEKTE	2015/1	2193	EF	Investigation of the CDS/CDS/ZnO in	1	KMC-1	Dr.	Wolfram	C wolfram Helmholtz-Zentrum Berlin für Materialien und Energi	Institut für Hete In neu	Institut für Hete In neu	Institut für Hete In neu	
WWW_DBA_VCA_CAPES	2014/1	158	ST	The role of electronic structure and an	2	0 KMC-1	Dr.	Hannu	H hannu.u University of Turku	Department of Reject	Department of Reject	Department of Reject	
WWW_DBA_VCA_CAPES	2014/2	1143	ST	The role of electronic structure and an	1	KMC-1	Dr.	Hannu	H hannu.u University of Turku	Department of Ready	Department of Ready	Department of Ready	
WWW_DBA_VCA_CAPES	2014/2	715	ST	Depth profiles of electrode/electrolyte	2	KMC-1	Professor	Kristina	E kristina Uppsala University	Department of Comp	Department of Comp	Department of Comp	
WWW_DBA_VCA_CAPES	2015/1	2148	ST	HARPES and XANES studies of metal m	2	KMC-1	Professor	Kristina	E kristina Uppsala University	Department of In neu	Department of In neu	Department of In neu	
WWW_DBA_VCA_CAPES	2014/2	1398	ST	Depth profiles of electrode/electrolyte	2	KMC-1	Professor	Kristina	E kristina Uppsala University	Department of Walt	Department of Walt	Department of Walt	
WWW_DBA_VCA_CAPES	2014/2	1486	ST	Interdiffusion of ultrathin Fe3O4 films	1	KMC-1	Dr.	Karsten	K karsten Universität Osnabrück	Fachbereich Ph, Sched	Fachbereich Ph, Sched	Fachbereich Ph, Sched	
WWW_DBA_VCA_CAPES	2014/2	1706	ST	Evolution of interfaces under control	1	0 KMC-1	Dr.	Sergiy	T tsy@ph Voronezh State University	Solid State Phys, Reject	Solid State Phys, Reject	Solid State Phys, Reject	
WWW_DBA_VCA_CAPES	2015/1	2377	ST	XANES and HARPES study of submicron	1	KMC-1	Dr.	Sergiy	T tsy@ph Voronezh State University	Solid State Phys, In neu	Solid State Phys, In neu	Solid State Phys, In neu	
WWW_DBA_VCA_CAPES	2014/2	1560	ST	Structural investigation of amorphous	1	0 KMC-1	Dr.	Anna	F anna.fu Technische Universität Berlin	Institut für Cher Reject	Institut für Cher Reject	Institut für Cher Reject	
WWW_DBA_VCA_CAPES	2014/1	827	ST	Stability of ZnO nanorod arrays in new	1	KMC-1		Wolke	C wolke Freie Universität Berlin	Fachbereich Ph, Walt	Fachbereich Ph, Walt	Fachbereich Ph, Walt	
WWW_DBA_VCA_CAPES	2014/2	1776	ST	Stability of ZnO nanorod arrays in new	1	KMC-1		Wolke	C wolke Freie Universität Berlin	Fachbereich Ph, Ready	Fachbereich Ph, Ready	Fachbereich Ph, Ready	
WWW_DBA_VCA_CAPES	2014/1	907	EF	XAPs investigations of sulfur and zinc K	1	KMC-1		Justus	J justus.j Helmholtz-Zentrum Berlin für Materialien und Energi	Solarenergiefor Walt	Solarenergiefor Walt	Solarenergiefor Walt	
WWW_DBA_VCA_CAPES	2014/1	868	ST	Mechanism of water oxidation and hve	2	2 KMC-1	Prof.	Holger	D holger Freie Universität Berlin	Fachbereich Ph, Comp	Fachbereich Ph, Comp	Fachbereich Ph, Comp	





Thank you for your attention

