

SPG - Jahrestagung in Fribourg, 30. Juni - 02. Juli 2014

Réunion de la SSP à Fribourg, 30 juin - 2 juillet 2014

Programmübersicht - Résumé du programme

Das vollständige Programm wird allen Teilnehmern am Tagungssekretariat abgegeben sowie auf der SPG-Webseite publiziert.

Hinweise:

- Je Beitrag wird nur der präsentierende Autor aufgeführt.
- Die Postersitzung ist am Montag von 18:15 - ca. 20:00 (mit Apéro) sowie am Dienstag von 12:30 - 14:00.
- (p) = Plenarsprecher, (i) = eingeladener Sprecher

Le programme final complet sera distribué aux participants au stand du secrétariat de la conférence et sera publié sur le site de la SSP.

Indication:

- seul le nom de l'auteur présentant la contribution a été indiqué.
- la session poster a lieu le lundi de 18.15 à env. 20.00 (avec apéro) ainsi que le mardi de 12:30 à 14:00.
- (p) = orateur de la session plénière, (i) = orateur invité

Plenary Session

Monday, 30.06.2014, Room 002

Time	ID	PLENARY SESSION I Chair: Minh Quang Tran, EPFL-CRPP
12:55		OFFICIAL OPENING OF THE SPS ANNUAL MEETING
13:00 - 13:40	1	Climate change and mountain water resources: results from the European "ACQWA" project Martin Beniston, Uni Genève (p)
13:45		Topical Sessions
16:00		Coffee Break
16:30		Topical Sessions
18:15		Postersession and Apéro
		PUBLIC LECTURE Chair: Andreas Schopper, CERN
20:15	11	The Higgs boson and our life Fabiola Gianotti, CERN (p)
21:30		END

Tuesday, 01.07.2014, Room 002

Time	ID	PLENARY SESSION II Chair: Hans Peter Beck, Uni Bern
09:00	2	The next life of silicon Gabriel Aeppli, PSI & ETHZ & EPFL (p)
09:40	3	Neutrino Astronomy at its sunrise Teresa Montaruli, Uni Genève (p)
10:20		Coffee Break
		Chair: Antoine Weis, Uni Fribourg
10:50	4	Precision Spectroscopy of Atomic Hydrogen Thomas Udem, MPQ Garching (p)
11:30		Award Ceremony
12:00	21	Winner of the SPS ABB Award (i)
12:30		Postersession (continued) with Lunchbuffet
14:00		Topical Sessions
19:30		
19:45		Conference Dinner

Wednesday, 02.07.2014, Room 002

Time	ID	PLENARY SESSION III Chair: NN
09:00	5	Attosecond science of solids and solid interfaces Lukas Gallmann, Uni Bern & ETH Zürich (p)

09:40	6	Pattern Formation and Collective Phenomena in Biological Systems Erwin Frey, LMU München (p)
10:20		Coffee Break
		Chair: Gian Michele Graf, ETH Zürich
10:50	7	Quantum Annealing and the D-Wave Devices Matthias Troyer, ETH Zürich (p)
11:30		Best Poster Awards
11:45		General Assembly
12:00		Lunchbuffet
13:00		60 Years CERN Ceremony
		Details see p. 11
15:00		Topical Sessions
18:30		END

MaNEP

This session has been organised in conjunction with the Association MaNEP.

Monday, 30.06.2014, Room G 140

Time	ID	MANEP I Chair: Thierry Giamarchi, Uni Genève
13:45	101	The tunable 2D topological insulator (TI) system InAs/GaSb Werner Wegscheider (i)
14:15	102	Correlation effects in electron-doped metal-organic complexes Pietro Gambardella (i)
14:45	103	Intraribbon band gap variation in atomically precise graphene nanoribbon heterostructures Hajo Söde
15:00	104	Opto-electronics with Mono-layer Transition Metal Dichalcogenide Semiconductors Sanghyun Jo
15:15	105	Chiral CDW in 1T-TiSe ₂ investigated by STM/STS Alessandro Scarfato
15:30	106	Doping nature of native defects in 1T-TiSe ₂ Baptiste Hildebrand
15:45	107	Optical response of Sr ₂ RuO ₄ reveals universal Fermi-liquid scaling and quasiparticles beyond Landau theory Damien Stricker
16:00		Coffee Break

Time	ID	MANEP II <i>Chair: Alberto Morpurgo, Uni Genève</i>
16:30	111	Charge Stripes and Spin Density Waves, $\text{La}_{1.8}\text{Sr}_{0.2}\text{NiO}_{4+\delta}$ <i>Paul Freeman</i>
16:45	112	Comprehensive study of the spin-charge interplay in antiferromagnetic $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ <i>Elia Razzoli</i>
17:00	113	Magnetic Proximity effect in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ / $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ superlattices <i>Saikat Das</i>
17:15	114	Controlling the near-surface superfluid density in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ by photo-illumination <i>Evelyn Stilp</i>
17:30	115	Connection between high energy spin excitations and degree of electron correlations in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ superconductors <i>Yaobo Huang</i>
17:45	116	Unconventional superfluidity in a two-leg fermionic ladder <i>Shun Uchino</i>
18:00	117	Geometry and bandstructure dependence of topological edge and domain wall states of a chiral p-wave superconductor <i>Adrien Bouhon</i>
18:15		Postersession and Apéro
20:15		Public Lecture

ID	MANEP POSTER
121	Structure and magnetic interactions in $\text{Ba}_{3-x}\text{Sr}_x\text{Cr}_2\text{O}_8$ <i>Henrik Grundmann</i>
122	Spectroscopy evidences for true Landau Fermi quasiparticles in LSCO <i>Claudia Giuseppina Fatuzzo</i>
123	180° domain wall evolution in $\text{PbTiO}_3/\text{SrTiO}_3$ superlattices under an applied external field <i>Stephanie Fernandez-Pena</i>
124	Subcritical switching dynamics and humidity effects in nanoscale studies of ferroelectric domain growth <i>Cédric Blaser</i>
125	From order to randomness: a one-dimensional journey to disorder <i>Toni Shiroka</i>
126	Second-order response theory of radio-frequency spectroscopy, the "ARPES" of cold atoms <i>Christophe Berthod</i>
127	Electron-hole asymmetry in WS_2 probed through scanning photocurrent microscopy <i>Nicolas Ubrig</i>
128	Magnetic and Superconducting Ground State of delta-doped LSCO Superlattices <i>Andreas Suter</i>
129	Dispersive magnetic excitations in parent and Co doped NaFeAs iron superconductors <i>Jonathan Pelliciani</i>
130	Unconventional Superconductivity by Fermi Surface Mismatch: A Diagrammatic Monte Carlo Study <i>Jan Gukelberger</i>
131	Structural and Antiferromagnetic Domains in Undoped $\text{YBa}_2\text{Cu}_3\text{O}_6$ <i>Bálint Náfrádi</i>
132	Spontaneously magnetized Tomonaga-Luttinger liquid in frustrated quantum antiferromagnets <i>Shunsuke Furuya</i>
133	Quantum Critical Point of Spinless Dirac Fermions <i>Lei Wang</i> cancelled

134	Tuning the static spin-stripe phase and superconductivity in $\text{La}_{2-x}\text{Ba}_x\text{CuO}_4$ ($x = 1/8$) by hydrostatic pressure <i>Zurab Guguchia</i>
135	Electronic structure of quasicrystalline Al-Ni-Co near Fermi level by soft X-ray ARPES. <i>Victor Rogalev</i>
136	Nanostructuring the $\text{LaAlO}_3/\text{SrTiO}_3$ interface <i>Margherita Boselli</i>
137	Structural and electronic properties of $\text{La}_{1-x}\text{Sr}_x\text{TiO}_3$ thin films <i>Jennifer Fowlie</i>
138	Synthesis of $\text{Nb}_2\text{Pd}_x\text{S}_6$ superconductors by chemical vapor transport method <i>Zhiwei Wang</i>
139	Towards reversible control of domain wall conduction in $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ thin films <i>Iaroslav Gaponenko</i>
140	Probing the metal-insulator transition in nickelates using soft x-ray absorption spectroscopy <i>Flavio Y. Bruno</i>
141	Magnetotransport studies of gated $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces <i>Wei Liu</i>
142	Strain-induced metal-insulator transitions in d' perovskites within DFT+DMFT <i>Krzysztof Dymkowski</i>
143	Charge density waves in Cu_xTiSe_2 <i>Anna Maria Novello</i>
144	New light on the sub-gap peaks seen by STM in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ <i>Jens Bruér</i>
145	Impurity driven magnetically ordered ground states in quasi-one-dimensional quantum magnets SrCuO_2 and Sr_2CuO_3 <i>Surjeet Singh</i>
146	Probing low-energy excitations in the insulating iridates Sr_2IrO_4 and $\text{Sr}_3\text{Ir}_2\text{O}_7$ by Oxygen K-edge RIXS <i>Paul Olalde-Velasco</i>
147	Dynamical Spin-Spin Correlations for the Dimerized Spin-1/2 Chain at Finite Temperature <i>Emanuele Coira</i>
148	Relaxation dynamics of a coherently split one-dimensional gas <i>Laura Foini</i>
149	moved to talk 204
150	Evidence of inequivalent nickel sites in rare-earth nickelates using spectroscopic ellipsometry <i>Julien Ruppen</i>
151	Low temperature electrical transport anomalies in thermoelectric BiCuSeO oxychalcogenides <i>Celine Barreteau</i>
152	Quantitative determination of the band gaps in MoTe_2 <i>Ignacio Gutiérrez Lezama</i>
153	New limiting mechanism for topologically frustrated Josephson junctions in Sr_2RuO_4 <i>Sarah Etter</i>
154	Electrical and optical investigations of transition metal dichalcogenides using ionic liquid gated transistors. <i>Davide Costanzo</i>
155	Density Matrix Renormalization Group for Cold Atoms <i>Michele Dolfi</i>
156	Identifying the STS spectral features of high T_c cuprate superconductors <i>Ivan Maggio-Aprile</i>
157	A firmware-based direct-sampling NMR spectrometer <i>Marek Pikulski</i>
158	Instantaneous growth of Bi nanolines on Si(001) <i>Maria Longobardi</i>

159	Interplay between microscopic decoherence and superconducting proximity effect in a graphene Andreev interferometer <i>Sandra Šopic</i>
160	Observation of insulating state at charge neutrality in suspended multilayer graphene <i>Anya Grushina</i>
161	Tantalum as a metallic contact for nanolines on Si(001) <i>Renan Villarreal</i>
162	Interplay of antiferromagnetic order, ferromagnetic interactions and Kondo physics in low doped cuprates <i>Daniel Müller</i>
163	Superconducting and normal state properties of a-WSi films <i>Xiaofu Zhang</i>
164	An STM/STS study of the metal-insulator transition in Nickelates <i>Thomas Brecke Amundsen</i>
165	Infrared ellipsometry study of photo-induced charge carriers in bulk SrTiO ₃ under mechanical stress <i>Meghdad Yazdi</i>
166	Spin-triplet Superconductivity in Artificial Hybrid Structures <i>James Witt</i>
167	Probing the Stability of the Spin Liquid Phases in the Heisenberg-Kitaev Model using Tensor Network Algorithms <i>Juan Osorio Iregui</i>
168	Time Domain THz Ellipsometry <i>Premysl Marsik</i>
169	Substitution in LiMF ₄ : a playground of fundamental interactions <i>Peter Babkevich</i>
170	Phase transitions in ternary intermetallic stannides <i>Daniel Mazzone</i>

KOND

Tuesday, 01.07.2014, Room G 140

Time	ID	KOND Chair: Christian Rüegg, PSI & Uni Genève
14:00	22	Winner of the SPS IBM Award (i)
14:30	23	Winner of the SPS OC Oerlikon Award (i)
15:00	24	Winner of the SPS METAS Award (i)
15:30	201	The role of space charge in spin-resolved photoemission experiments <i>Gerard Salvatella Orgillés</i>
15:45	202	Ultrafast recovery of a charge density wave due to electron-hole scattering <i>Claude Monney</i>
16:00	203	A New Phase Multiplexing Technique to speed up Magnetic Resonance Force Microscopy <i>Alexander Eichler</i>
16:15	204	Disentanglement of pseudogap and charge stripe order in Nd-LSCO <i>Christian E. Matt</i>
16:30		Coffee Break

ID	KOND POSTER
221	Measuring the dielectric constants of metals in the liquid state by high-temperature ellipsometry <i>Patrick Schwaller</i>

222	Effects of heat current on magnetization dynamics in ferromagnetic insulator <i>Francesco Antonio Vetrò</i>
223	The influence of the lattice and electron gas temperature on ultrafast demagnetization <i>Rafael Gort</i>
224	g1 of Polydisperse Spheres at Random Close Packing <i>Chi Zhang</i>

Electronic Properties at Surfaces and Interfaces

Tuesday, 01.07.2014, Room G 140

Time	ID	ELECTRONIC PROPERTIES AT SURFACES AND INTERFACES Chair: Thorsten Schmidt & Ming Shi, PSI Villigen
17:00	251	Addressing the Origin of Conductivity in Two Dimensional Electron Gases at Oxide Interfaces. <i>Fabio Miletto Granozio (i)</i>
17:30	252	Spectroscopy Views of Low Dimensional Electron Gas (LDEGs) at STO Surface and LAO/STO Interface: Final Depiction <i>Milan Radovic (i)</i>
18:00	253	Large Rashba induced modulation of the Shubnikov-de Haas oscillations at the LaAlO ₃ -SrTiO ₃ interface. <i>Alexandre Fête</i>
18:15	254	Quenched Magnon dispersion by oxygen sub-lattice reconstruction in SrCuO ₂ thin films <i>Marcus Dantz</i>
18:30	255	(S-)ARPES investigation on the electronic and spin structures of strongly correlated system SmB ₆ and experimental realization of the first topological Kondo insulator <i>Nan Xu</i>
18:45	256	A two-dimensional electron gas at the (111) surface of SrTiO ₃ <i>Siobhan McKeown Walker</i>
19:00	257	k-resolved electronic structure by soft-X-ray ARPES: From 3D systems to buried heterostructures and impurities <i>Vladimir N. Strocov</i>
19:15	258	Watching optically excited electrons decay in graphene <i>Jens Christian Johannsen</i>
19:30		END
19:45		Conference Dinner

ID	ELECTRONIC PROPERTIES AT SURFACES AND INTERFACES POSTER
271	Deposition of molybdenum nitride by magnetron sputtering <i>Laurent Marot</i>
272	Tuning Molecular Orbitals of Manganese Phthalocyanine on h-BN/Rh(111) Nanomesh <i>Liwei Liu</i>
273	Electronic Decoupling of Molecular Nanostructures by Intercalating Thin Oxide Films <i>Okan Deniz</i>
274	Inspecting the impact of epitaxial strain on nickelate thin films. <i>Sara Catalano</i>
275	Picking out a Single layer of a Metal-Supported Ultrathin Oxide Film using Resonant Auger Spectroscopy <i>Thomas Jaouen</i>

276	Tuning of the depolarization field and nanodomain structure in ferroelectric thin films <i>Céline Lichtensteiger</i>
277	Superconducting Interfaces between Artificially-Grown LaAlO ₃ and SrTiO ₃ Thin Films <i>Danfeng Li</i>
278	Mott- to wide-band insulator transition of LaTiO ₃ /LaAlO ₃ heterostructures revealed by XAS and RIXS <i>Jonathan Pelliciarì</i>
279	Influence of oxygen plasma treatment on the electronic structure and photo-electrochemical properties of iron oxide films for solar water splitting photoanodes <i>Yelin Hu</i>
280	Spin texture of Bi ₂ Se ₃ thin films in the quantum tunneling limit <i>Gabriel Landolt</i>
281	Revealing the electronic ground state of ReNiO ₃ combining high-resolution Ni-L3 X-ray absorption and resonant inelastic x-ray scattering <i>Yaobo Huang</i>
282	Switching of the binding motif in terpyridyne assemblies as a pathway towards distinctly different porous on-surface architectures <i>Thomas Nijss</i>
283	Porphyrin metalation providing an example of a redox reaction facilitated by a surface reconstruction. <i>Gitika Srivastava</i>

Nuclear, Particle- and Astroparticle Physics (TASK)

This session has been organised in conjunction with CHIPP.

Monday, 30.06.2014, Room 002

Time	ID	CHIPP PLENARY MEETING (NON-SCIENTIFIC TOPICS) <i>Chair: Olivier Schneider, EPFL</i>
13:45	31	Welcome, News from Board and EB
14:00	32	Elections
14:15	33	CHIPP outreach
14:30	34	CHIPP computing
14:45	35	CERN council
15:00	36	ACCU
15:15	37	ECFA
15:30	38	NuPEC
15:45	39	ApPEC
16:00		Coffee Break
		⇒ Combined session see Atomic Physics and Quantum Optics
		I: ASTROPHYSICS I <i>Chair: Teresa Montaruli, Uni Genève</i>
17:00	301	The Alpha Magnetic Spectrometer on the International Space Station <i>Mercedes Panizza</i>
17:15	302	The extragalactic gamma-ray sky seen by MAGIC <i>Elisa Prandini</i>
17:30	303	The First G-APD Cherenkov Telescope: Status and Results <i>Gareth Hughes</i>
17:45	304	The SST-1M telescope for CTA <i>Juan Antonio Aguilar Sánchez</i>

18:00	305	How to measure dark matter with XENON1T <i>Lukas Büttikofer</i>
18:15		Postersession and Apéro
20:15		Public Lecture

Tuesday, 01.07.2014, Room 002

Time	ID	II: LHC EXPERIMENTS I <i>Chair: Olivier Schneider, EPFL</i>
13:45	25	Winner of the CHIPP Prize (i) <i>Chair: Christoph Grab, ETH Zürich</i>
14:15	311	Overview of LHC Run-I results from ATLAS, CMS, and LHCb <i>Caterina Doglioni (i)</i>
14:45	312	The ATLAS insertable B-layer for LHC Run-II <i>Maria Elena Stramaglia</i>
15:00	313	CMS pixel phase 1 upgrade <i>Philipp Eller</i>
15:15	314	A SciFi Tracker for the LHCb Upgrade <i>Mark Tobin</i>
15:30	315	Measurement of the $t\bar{t}\gamma$ production cross section in the single lepton channel at $\sqrt{s} = 7$ TeV in 4.7 fb ⁻¹ of pp collision data collected with the ATLAS detector. <i>Gaetano Barone</i>
15:45	316	Study of $B_s^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ decays at LHCb. <i>Ilya Komarov</i>
16:00	317	Observation of photon polarization in the $b \rightarrow s\gamma$ transition <i>Giovanni Veneziano</i>
16:15	318	Search for associated $t\bar{t}H$ production in the $H \rightarrow b\bar{b}$ channel at CMS using the Matrix Element Method <i>Daniel Salerno</i>
16:30		Coffee Break
		III: LHC EXPERIMENTS II <i>Chair: Florencia Canelli, Uni Zürich</i>
17:00	321	Performance of the LHCb Silicon Tracker during LHC Run I <i>Christian Elsasser</i>
17:15	322	The ATLAS Insertable B-Layer (IBL) production and integration. <i>Javier Bilbao de Mendizabal</i>
17:30	323	ATLAS Insertable B-Layer (IBL) module QA <i>Stefania Stucci</i>
17:45	324	CMS Upgrade Phase I: pixel modules testing <i>Vittorio Raoul Tavolaro</i>
18:00	325	Characterization of SiPM detector for LHCb upgrade <i>Zhirui Xu</i>
18:15	326	Dedicated Trigger for Highly Ionising Particles at ATLAS <i>Akshay Katre</i>
18:30	327	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV <i>Marc Dünser</i>
18:45	328	Jet production in association with a Z boson at CMS <i>Andrea Carlo Marini</i>
19:00	329	Charmless B decays at LHCb <i>Jessica Prisciandaro</i>
19:15	330	Measurement of the differential isolated diphoton production cross section at CMS <i>Marco Peruzzi cancelled</i>
19:30		

19:45		Conference Dinner
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Tuesday, 01.07.2014, Room C 230

Time	ID	IV: LHC EXPERIMENTS III AND ASTROPHYSICS II Chair: Ulrich Straumann, Uni Zürich
17:00	331	Search for exotic particles in the LHCb experiment Bastien Muster
17:15	332	Search for Displaced Supersymmetry in Dilepton Final States at CMS Quentin Python
17:30	333	Point-source searches with the IceCube detector Asen Christov
17:45	334	Dark matter searches with the IceCube detector. Mohamed Rameez
18:00	335	Sparse On/Off data: an objective Bayesian analysis Max Ludwig Knoetig
18:15	336	The Space-borne Gamma-Ray Burst Polarimeter POLAR Silvio Orsi
18:30	337	FlashCam: a Camera with Continuous Signal Digitization for CTA Arno Gadola
18:45	338	Response of liquid xenon to low energy electronic and nuclear recoils Payam Pakarha
19:00	339	Photon Detectors for the XENON1T Dark Matter Experiment. Daniel Mayani
19:15	340	Material screening for XENON1T dark matter experiment Francesco Piastra cancelled
19:30		
19:45		Conference Dinner

Wednesday, 02.07.2014, Room 002

Time	ID	60 Years CERN Ceremony
13:00 - 15:00		<i>Details see p. 11</i>
		V: LHC PHYSICS Chair: Hans Peter Beck, Uni Bern
15:15	341	Measurements of the properties of the Higgs-like boson in the four lepton decay channel with the ATLAS detector Eleonora Benhar Noccioli
15:30	342	Search for heavy resonances decaying into a pair of Higgs bosons in the $\tau\tau b\bar{b}$ final state at CMS Camilla Galloni
15:45	343	Search for SUSY in hadronic final states using MT2 with the CMS detector at the LHC Mario Masciovecchio
16:00	344	Measurements of CP violation in the B_s^0 system at LHCb Mirco Dorigo
16:15	345	Higgs coupling studies at a High Luminosity-LHC with ATLAS detector Reina Camacho
16:30		Coffee Break

		VI: NEUTRINOS Chair: André Rubbia, ETH Zürich
17:00	351	The GERDA Experiment for the Search of Neutrino-less Double Beta Decay Manuel Walter
17:15	352	Hadron production measurement from NA61/SHINE Alexander Korzenev
17:30	353	Current Status of the MicroBooNE Experiment Matthias Lüthi
17:45	354	Multi-nucleon interaction model to answer the low energy neutrino CCQE cross-section discrepancy. Asmita Redij
18:00	355	Dark Matter and Neutrino Physics with the DARWIN Experiment Alex Kish
18:15		END

Wednesday, 02.07.2014, Room C 230

Time	ID	VII: LOW-ENERGY PRECISION PHYSICS Chair: Klaus Kirch, ETH Zürich & PSI Villigen
17:00	361	Polarization Observables T and F in Single π^0 and η Photoproduction off Quasi-Free Nucleons Thomas Strub cancelled
17:15	362	A Dedicated Calibration Tool for the MEG & MEGII Positron Spectrometer Giada Rutar
17:30	363	A Compact Muon Beam Line for the Mu3e Experiment Felix Berg
17:45	364	Simulation of the performance of the scintillation fibres for the Mu3e experiment Roman Gredig
18:00	365	A New High Intensity Muon Beamline at the Paul Scherrer Institut Zachary Hodge
18:15		END

ID	NUCLEAR, PARTICLE- AND ASTROPHYSICS POSTER
371	Measurements in Association with Electroweak Bosons at LHCb Christian Elsasser
372	Searches for New Physics in hadronic final states at the ATLAS detector with LHC Run-I data Caterina Doglioni
373	Large area SiPM characterization Matthieu Heller
374	Muonium production for fundamental physics experiments Kim Siang Khaw
375	Towards a novel muon beamline for next generation precision experiments Andreas Eggenberger
376	Neutron radiography of a helium gas density gradient at cryogenic temperatures for a novel muon beam line Gunther Wichmann
377	Characterisation of the source for ultracold neutrons at the Paul Scherrer Institute (PSI) Dieter Ries
378	Schnelle Auslese des HV-MAPS Trackers des Mu3e Experiments Simon Corrodi

Theoretical Physics

Tuesday, 01.07.2014, Room E 130

Time	ID	THEORETICAL PHYSICS I Chair: Gian Michele Graf, ETH Zürich
14:30	401	Thermodynamic limit for the reduced BCS Hamiltonian: Not just mean-field <i>Dionys Baeriswyl (i)</i>
15:00	402	Precision physics with hard scattering observables <i>Aude Gehrmann-De Ridder (i)</i>
15:30	403	Berry phase investigation of spin-S ladders <i>Natalia Chepiga</i>
15:45	404	Electron Waiting Times in Mesoscopic Transport <i>Christian Flindt (i)</i>
16:15	405	Flavour-Violation in the Minimal Supersymmetric Standard Model and its decoupling limit <i>Andreas Crivellin</i>
16:30		Coffee Break
17:00	406	Reflection Positivity for Para-fermions and some Applications <i>Fabio Pedrocchi (i)</i>
17:30	407	Cosmological perturbations and structure formation in nonlocal infrared modifications of general relativity <i>Yves Dirian</i>
17:45	408	Atomic Quantum Simulation of Abelian and Non-Abelian Gauge Theories <i>Uwe-Jens Wiese (i)</i>
18:15		
19:45		Conference Dinner

Wednesday, 02.07.2014, Room E 130

Time	ID	THEORETICAL PHYSICS II Chair: Gian Michele Graf, ETH Zürich
15:00	411	Massive black hole binaries in the cosmic landscape as probes of the gravitational wave Universe <i>Lucio Mayer (i)</i>
15:30	412	The colors of graphene: Hofstadter butterfly for the honeycomb lattice <i>Andrea Agazzi (i)</i>
16:00	413	Statistics of charge transport and modified time ordering <i>Vincent Beaud (i)</i>
16:30		Coffee Break; END

Applied Physics

Earth, Atmosphere and Environmental Physics (combined session)

Monday, 30.06.2014, Room F 130

Time	ID	COMBINED SESSION Chair: Stéphane Goyette, Uni Genève
13:45	451	Nonlinear fast growth of surface gravity waves under the action of wind <i>Maura Brunetti</i>
14:00	452	Wind gusts over Switzerland: parametrization of extreme events with the Canadian Regional Climate Model <i>Charles-Antoine Kuszli</i>

14:15	453	Miniature LIMS system designed for sensitive in situ measurements of the chemical composition of solid materials on solar system objects <i>Andreas Riedo</i>
14:30	454	Implementing a spin rotator in a spin-polarized scanning electron microscope <i>Benedikt Böhm</i>
14:45	455	Characterization of an Electron Cyclotron Maser for enhanced Nuclear Magnetic Resonance (NMR)-Spectroscopy <i>Falk Braunmüller</i>
15:00	456	Research activities at new Bern PET cyclotron <i>Konrad Nesteruk</i>
15:15	457	Investigation of Charge Separation Dynamics in Organolead Halide Perovskite Solar Cells <i>Mahmoud Hezam</i>
15:30		
16:00		Coffee Break, END
18:15		Postersession and Apéro
20:15		Public Lecture

EARTH ATMOSPHERE AND ENVIRONMENTAL PHYSICS POSTER

461	A coupled single column lake and atmospheric model to simulate thermal profiles in Lake Geneva <i>Marjorie Perroud</i>
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Plasma Physics

Wednesday, 02.07.2014, Room E 230

Time	ID	PLASMA PHYSICS Chair: Stephan Brunner, CRPP-EPFL
15:15	481	New plasma configurations and heating systems in the TCV tokamak for the European roadmap towards a fusion reactor <i>Yves Martin (i)</i>
15:45	482	Impurity density and momentum transport during the sawtooth cycle <i>Claudio Marini</i>
16:00	483	SCENIC: a self-consistent tool for the study of ion-cyclotron resonance heating in fusion plasma devices. <i>Jonathan Faustin</i>
16:15	484	Gyrokinetic turbulence simulations of plasma shaping and profile resilience effects in the TCV tokamak <i>Gabriele Merlo</i>
16:30		Coffee Break
17:00	485	Heat loads in inboard limited plasmas in TCV <i>Federico Nespoli</i>
17:15	486	Influence of magnetic field on plasma sputtering of ITER First Mirrors <i>Lucas Moser</i>
17:30	487	A kinetic neutral atom model for tokamak SOL turbulence <i>Christoph Wersal</i>
17:45	488	Planar resonant RF network antennas used as inductively coupled plasma source and dedicated for large area processes. <i>Rémy Jacquier</i>
18:00		END

ID	PLASMA PHYSICS POSTER
491	Fast ion guiding center orbits in 2D and 3D toroidally rotating tokamak plasmas <i>Madhusudan Raghunathan</i>

Atomic Physics and Quantum Optics

Monday, 30.06.2014, Room D 230

Time	ID	ATOMIC PHYSICS AND QUANTUM OPTICS & TASK COMBINED SESSION Chair: Antoine Weis, Uni Fribourg
16:30	501	Systematic effects in the neutron electric dipole moment (nEDM) experiment at Paul Scherrer Institute (PSI). <i>Prashanth Pataguppi</i>
17:00	502	A laser based mercury magnetometer for the nEDM experiment at PSI <i>Sybille Komposch</i>
17:15	503	Atomic magnetometer array in the nEDM experiment <i>Malgorzata Kasprzak</i>
17:30	504	High precision and accurate Cs magnetometer for the nEDM experiment <i>Samer Afach</i>
17:45	505	An accurate fT -magnetometer based on the optically detected free-induction decay (FID) of atomic spin polarization <i>Peter Koss</i>
18:00	506	A ^3He -Cs magnetometer for absolute measurements of magnetic fields <i>Hans-Christian Koch</i>
18:15		Postersession and Apéro
20:15		Public Lecture

Tuesday, 01.07.2014, Room F 130

Time	ID	ATOMIC PHYSICS AND QUANTUM OPTICS I Chair: Joanna Hozzowska, Uni Fribourg
14:00	511	Quantized Conductance in Neutral Matter <i>Dominik Husmann</i>
14:30	512	Imaging plasmons in an ultrafast Transmission electron microscope <i>Fabrizio Carbone</i>
15:00	513	In situ imaging of the microwave field of a vapor cell atomic clock <i>Guan-Xiang Du</i>
15:15	514	Thin-disk laser for proton and alpha-particle radii measurements <i>Karsten Schuhmann</i>
15:30	515	Tomography of squeezed and over squeezed states of mesoscopic atomic ensembles <i>Matteo Fadel</i>
15:45		
16:30		Coffee Break
		ATOMIC PHYSICS AND QUANTUM OPTICS II Chair: Jean-Claude Dousse, Uni Fribourg
17:00	521	Multiphoton inner-shell ionization with high-fluence x-ray free-electron laser femtosecond pulses <i>Joanna Hozzowska</i>

17:30	522	An optical polarimeter for measuring the DC and AC magnetic susceptibilities of superparamagnetic fluids and films <i>Philipp Aebischer</i>
17:45	523	Magnetorelaxation of superparamagnetic iron oxide nanoparticles (SPIONs) by spatially-resolved atomic magnetometry <i>Simone Colombo</i>
18:00	524	A novel actuator for frequency comb self-referencing based on an optically-pumped SESAM <i>Stephane Schilt</i>
18:15	525	Toward the generation of phonon Fock state and on-demand single photons in optomechanical cavities <i>Nicolas Piro</i>
18:30		END
19:45		Conference Dinner

ID	ATOMIC PHYSICS AND QUANTUM OPTICS POSTER	
531	Imaging of Relaxation and Microwave Field Strength in Vapor Cells <i>Andrew Horsley</i>	
532	A quantitative study of particle size effects in the magnetorelaxometry of superparamagnetic iron oxide nanoparticles (SPIONs) using atomic magnetometry <i>Vladimir Dolgovskiy</i>	
533	Evaluation of microwave leakage and magnetic field inhomogeneity in the primary frequency standard FoCS-2 <i>Antoine Jallageas</i>	
534	XAS measurements of 3d, 4d and 5d transition metals using a laboratory-based set up <i>Faisal Zeeshan</i>	
535	High energy resolution off-resonant spectroscopy for self-absorption-free XAS study of Ta L3-edge <i>Wojciech Blachucki</i>	
536	Compact Rubidium-Stabilized Optical Frequency Comb as Source of Reference Frequencies in the 1.55-micrometer Region <i>Renaud Matthey</i>	
537	Frequency noise investigation in mid-infrared quantum cascade lasers <i>Stephane Schilt</i>	
538	Broadband UV-VIS transient absorption spectroscopy from femtosecond to microsecond time domain <i>Sandra Mosquera-Vázquez</i>	
539	1914-2014: Electron collisions 100 years after Franck & Hertz <i>Michael Allan</i>	

Functional Magnetics: From Nanomagnetism to Multiferroic Materials

Tuesday, 01.07.2014, Room D 230

Time	ID	OXIDES AND MULTIFERROICS Chair: Carlos A. F. Vaz, PSI Villigen
14:00	601	Multiferroics: From Unusual Ferroelectricity Towards Universal Scaling <i>Manfred Fiebig (i)</i>
14:30	602	Epitaxial strain-induced point-defect formation and ordering in oxides <i>Ulrich Aschauer</i>

14:45	603	Magnetolectric control of multiferroic domain walls <i>Naëmi Leo</i>
15:00	604	Multiferroic Aurivillius Phases: the Case of $\text{Bi}_5\text{FeTi}_2\text{O}_{15}$ by Ab Initio <i>Yael Birenbaum</i>
15:15	605	Towards charge-mediated ferroelectric control of ferromagnetism at room temperature <i>Igor Stolichnov (i)</i>
15:45	606	Controlling magnetism in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ via piezotrain <i>Jakoba Heidler</i>
16:00	607	Structure and Magnetic Coupling in YBaFeCuO_5 <i>Andrea Scaramucci</i>
16:15	608	Asymmetric properties of LaNiO_3 - LaMnO_3 bilayers <i>Marta Gibert</i>
16:30		Coffee Break
		NANOMAGNETISM <i>Chair: Cinthia Piamonteze, PSI Villigen</i>
17:00	611	Quantum properties of single atoms and molecules at graphene and boron-nitride surfaces <i>Harald Brune (i)</i>
17:30	612	Spin-orbit torques in ferromagnetic heterostructures: fundamentals and applications <i>Kevin Garello</i>
17:45	613	Direct Observation of Thermal Relaxation in Artificial Spin Ice <i>Alan Farhan</i>
18:00	614	Freestanding Magnetic and Topographic Structures Induced by Ion Treatment <i>Peggy Schönherr</i>
18:15	615	Dynamics of topological defects in an artificial spin-ice lattice <i>Sebastian Gliga</i>
18:30	616	Direct Observation of Magnetic Metastability in Individual Iron Nanoparticles using X-ray Photoemission Electron Microscopy <i>Armin Kleibert</i>
18:45	617	Magnetic Exchange Coupling of Strongly Anisotropic Erbium Single-Ion Magnets to a Metallic Surface <i>Jan Dreiser</i>
19:00	618	Anisotropy and hysteresis in sub-monolayers of endohedral single-molecule magnets: The link between structural and magnetic ordering <i>Rasmus Westerström</i>
19:15	619	The effect of substrates on molecular spin dynamics in thin films of single molecule magnets <i>Zaher Salman</i>
19:30		END
19:45		Conference Dinner

ID	FUNCTIONAL MAGNETICS POSTER
621	Magnetic and conducting properties of strained epitaxial SrFeO_3 -d films <i>Edith Perret</i>
622	Crystallography-Driven Positive Exchange Bias in Co/CoO Bilayers <i>Anna Suszka</i>
623	Potential multiferroic $\text{Re}_n\text{Ti}_n\text{O}_{3n+2}$: Candidate materials to search for the electric dipole moment of the electron <i>Maribel Núñez Valdez</i>
624	Strain induced coupling between ferromagnetism and ferroelectricity in o- LuMnO_3 thin films <i>Saumya Mukherjee</i>

625	Magnetic exchange coupling of MnTPPCI molecules to a ferromagnetic substrate investigated by X-ray Photo-Emission Electron Microscopy <i>Milos Baljovic</i>
626	Magnetic properties of multiferroic TbMnO_3 <i>Natalya Fedorova</i>
627	Multiferroic properties of o- LuMnO_3 controlled by b-axis strain <i>William Windsor</i>
628	X-ray resonant magnetic reflectometry study of the magnetic proximity effect in $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ superlattices <i>Aurora Alberca</i>
629	Magnetolectric monopolar ordering in solids <i>Florian Thöle</i>
630	Domain Wall Roughness in Stripe Phase BiFeO_3 Thin Films <i>Benedikt Ziegler</i>
631	Influence of La and Mn vacancies on the electronic and magnetic properties of LaMnO_3 thin films grown by pulsed laser deposition <i>Ivan Marozau</i>
632	Resonant Soft X-Ray Scattering On Artificial Spin Ice <i>Luca Anghinolfi</i>
633	Growth of CuO crystals and optical investigation of magnetolectric coupling <i>Adrien Stucky</i>
634	Electric field induced anisotropy manipulation in LSMO/PMN-PT patterned heterostructures <i>Michele Buzzi</i>
635	Effects of strain into multiferroic properties of orthorhombic LuMnO_3 thin films <i>Kenta Shimamoto</i>
636	Resonant X-Ray Diffraction studies on the Commensurate-Incommensurate Magnetic Transition of LiNiPO_4 <i>Mahesh Ramakrishnan</i>

Frontier Experiments with Neutrons

This session has been organised in conjunction with the Swiss Neutron Scattering Society (SGN).

Monday, 30.06.2014, Room E 230

Time	ID	I: NEUTRONS IN SOFT MATTER <i>Chair: Sandor Balog, Uni Fribourg</i>
14:45	701	Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels <i>Peter Fischer (i)</i>
15:15	702	2D or 3D diffusion: the matter of observation time <i>Fanni Juranyi</i>
15:30	703	Visualising water uptake in primed canvas model systems by neutron radiography in a purposefully designed perfusion chamber <i>Jaap J. Boon</i>
15:45	704	QENS in the GPa range and the anomalous case of hot dense water <i>Livia Eleonora Bove</i>
16:00		Coffee Break
		II: NEUTRONS FOR ENERGY SCIENCE <i>Chair: Martin Månsson, EPFL & PSI Villigen</i>
16:30	711	Towards sodium ion batteries: understanding sodium dynamics on a microscopic level <i>Marisa Medarde (i)</i>

17:00	712	Neutron diffraction: a useful tool to study reaction mechanisms of lithium ion batteries <i>Claire Villeveille</i>
17:15	713	(p,T) parameterization of the proton-phonon coupling in proton conducting electrolytes <i>Artur Braun</i>
17:30	714	Small-Angle Neutron Scattering Study of the Structure and Morphology of Radiation-Grafted Proton-Conducting Membranes <i>Gergely Nagy</i>
17:45		
18:15		Postersession and Apéro
20:15		Public Lecture

Tuesday, 01.07.2014, Room E 230

Time	ID	III: NEUTRON SOURCES & INSTRUMENTATION <i>Chair: Kurt Clausen, PSI Villigen</i>
14:30	721	ESS: current status and future developments <i>Ken Andersen (i)</i>
15:00	722	CAMEA - a novel secondary spectrometer at RITA-II <i>Henrik Rønnow</i>
15:15	723	Neutron imaging of spatial variation in crystalline structure by means of energy-selective methods <i>Steven Peetermans</i>
15:30	724	Adaptive optics and cryo-lenses: Neutron focusing within sample environment <i>Uwe Filges</i>
15:45	725	A technically simple broadband neutron spin filter based on dynamically polarized protons using photo-excited triplet states <i>Nemanja Niketic</i>
		IV: AWARD TALKS <i>Chair: Henrik Rønnow, EPFL</i>
16:00	26	Winner of the SGN Young Scientist Prize (i)
16:15	27	Winner of the SGN Young Scientist Prize (i)
16:30		Coffee Break
		V: NEUTRONS FOR CONDENSED MATTER <i>Chair: Tom Fennell, PSI Villigen</i>
17:00	731	Electric-field coupling with the magnetoelectric skyrmion lattice in Cu_2OSeO_3 <i>Jonathan White</i>
17:15	732	Electric polarization and spiral magnetic order below 200 K in YBaCuFeO_5 <i>Mickael Morin</i>
17:30	733	Inelastic neutron scattering reveals details on the thermal evolution of magnetic excitations in dimer systems <i>Diana Lucia Quintero Castro (i)</i>
18:00	734	Pressure-driven dimensionality change in a quantum magnet <i>Markos Skoulatos</i>
18:15	735	Magnon modes in $\alpha\text{-CaCr}_2\text{O}_4$ measured by neutron scattering and far infrared spectroscopy <i>Sándor Tóth</i>
18:30	736	Non-equilibrium spin relaxation and hysteresis in the mixed-anisotropy dipolar coupled spin-glass $\text{LiHo}_{0.50}\text{Er}_{0.50}\text{F}_4$ <i>Julian Piatek</i>
18:45	737	Quasielastic scattering in $\text{Tb}_2\text{Ti}_2\text{O}_7$ and $\text{Y}_{1.9}\text{Tb}_{0.1}\text{Ti}_2\text{O}_7$ <i>Martin Ruminy</i>
19:00	738	New lanthanide-copper single molecule magnets examined using inelastic neutron scattering spectroscopy <i>Stefan Ochsenbein</i>

19:15	739	Disorder-quenched quantum criticality in cuprate superconductors? <i>Johan Chang</i>
19:30		END
19:45		Conference Dinner

ID	FRONTIER EXPERIMENTS WITH NEUTRONS POSTER
751	Science and Instrumentation Projects at the Swiss Spallation Neutron Source SINQ <i>Christian Rüegg</i>
752	Spin waves excitations of J1-J2 zigzag chains in SrDyO_4 <i>Nicolas Gauthier</i>
753	Domains and multiferroicity in CuCrO_2 : a single crystal neutron diffraction study <i>Matthias Frontzek</i>
754	CAMEA – The Continuous Angle Multiple Energy Analysis Spectrometer for the European Spallation Source. <i>Paul Freeman</i>
755	Magnetic frustration, hierarchy of exchange interactions, and idle spin behavior in a 2D lattice of bow-ties. <i>Romain Sibille</i>
756	The magnetic phases of $(\text{C}_5\text{H}_{12}\text{N})_2\text{CuCl}_4$ – An inelastic neutron scattering study. <i>Simon Ward</i>
757	A versatile sample stick for neutron scattering experiments in high electric fields <i>Marek Bartkowiak</i>
758	HEIMDAL: A time-of-flight neutron powder diffractometer at ESS Lund for in-situ/in-operandi materials science studies <i>Jürg Schefer</i>
759	General linear spin wave theory of incommensurate magnetic structures (SpinW Matlab library) <i>Sándor Tóth</i>
760	Investigation on the low temperature distorted phase of MgCr_2O_4 <i>Shang Gao</i>
761	ZEBRA: The new neutron single-crystal diffractometer at SINQ optimized for small samples and extreme conditions <i>Oksana Zaharko</i>
762	The First Neutron Laue Diffractometer in Germany <i>Gail N. Iles</i>

Biophysics and Medical Physics

Wednesday, 02.07.2014, Room G 140

Time	ID	BIOPHYSICS AND MEDICAL PHYSICS I <i>Chair: Giovanni Dietler, EPFL</i>
15:00	801	Dynamics and rheology of active glasses <i>Joseph Brader (i)</i>
15:30	802	Balance of Forces at Play in Phospholipid Self-Assembly: Study of Selected Artificial Phospholipids <i>Andreas Zumbuehl</i>
15:45	803	Universality of Behaviour in the Mesoscale Properties of Amyloid Fibrils <i>Salvatore Assenza</i>
16:00	804	Dissecting the immune response at a single-cell level via microfluidics <i>Michael Junkin</i>

16:15	805	Structure and dynamics of thylakoid membrane systems during photosynthesis in vivo - revealed by small-angle neutron scattering (SANS) <i>Renáta Ünnepe</i>
16:30		Coffee Break
Time	ID	BIOPHYSICS AND MEDICAL PHYSICS II <i>Chair: Giovanni Dietler, EPFL</i>
17:00	811	A mechanical sensor to rapidly determine antibiotic susceptibilities in bacteria. <i>Giovanni Longo</i>
17:15	812	Three fields study of solvent deuteration influence on the Dynamic Nuclear Polarization process for hyperpolarized ^{13}C MRS and MRI <i>Andrea Capozzi</i>
17:30	813	Probing nanoparticle-protein complexation by light scattering <i>Sandor Balog</i>
17:45	814	Polarity, shape, and motion of migrating cells emerge from local protrusion/retraction transitions <i>Franck Raynaud</i>
18:00	815	Force-induced globule-coil transition in Laminin Binding Protein and its role for viral - cell membrane fusion <i>Sergey Sekatskii</i>
18:15	816	Co-nonsolvency of PNiPAM at the transition between solvation mechanisms <i>Davide Calzolari</i>
18:30		END

ID	BIOPHYSICS AND MEDICAL PHYSICS POSTER	
821	Second harmonic scattering: Characterizing the interaction between lipid membranes and water <i>Cornelis Lütgebaucks</i>	
822	Dynamics of Relaxation of DNA molecules on the surface: how rapid a 2D equilibrium is achieved <i>Andrey Mikhaylov</i>	
823	AFM Nanoscale Infrared Spectroscopy: Chemical Characterization at Single Amyloid Molecule Scale <i>Francesco Simone Ruggeri</i>	
824	In vivo Hyperpolarized ^{13}C MRS using DPPH as polarizing agent <i>Emine Can</i>	
825	DNA in confined geometry <i>Aleksandre Japaridze</i>	

826	Actomyosin bundle tension at the periphery of cell spreading on micropatterned substrate <i>Benoit Vianay</i>
827	Contact angle at the leading edge controls cell protrusion rate <i>Chiara Gabella</i>
828	Advanced microscopy techniques for biological studies <i>Gaurasundar Conley</i>

History of Physics

Monday, 30.06.2014, Room C 230

Time	ID	HISTORY OF PHYSICS <i>Chair: Jean-François Loude, EPFL</i>
14:00	901	Poincaré and the new mechanics, through Lorentz' theory and the reaction principle (1900), The dynamic of the electron (1905) and the Last essays (1912). <i>Christian Bracco (i)</i>
14:30	902	The 'Boussinesq debate': instability, multiple solutions and free will <i>Thomas Mueller</i>
15:00	903	The role of hypothetical ontologies in early relativistic quantum theories <i>Adrien Vila Valls (i)</i>
15:30	904	The problem of the combination of data in history <i>Jan Lacki</i>
16:00		Coffee Break <i>Chair: Jan Lacki, Uni Genève</i>
16:30	905	Euler's greatest success: Didactics of 18 th Century Popular Science Books from a contemporary Perspective <i>Tibor Gyalog</i>
17:00	906	Force and work measurement: the beginnings <i>Jean-François Loude</i>
17:30	907	Historical context of the Swiss atomic weapons program <i>Jean-Pierre Hurni (i)</i>
18:00		END
18:15		Postersession and Apéro
20:15		Public Lecture

Aussteller - Expositants

attocube systems AG, DE-80539 München www.attocube.com	Mad City Labs GmbH, CH-8302 Kloten www.madcitylabs.eu
Coherent (Deutschland) GmbH, DE-64807 Dieburg www.coherent.com	MaTeCK GmbH, DE-52428 Jülich www.mateck.de
Dyneos AG, CH-8307 Effretikon www.dyneos.ch	Meili-Kryotech, CH-7433 Donat www.kryotech.ch
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60 YEARS OF SCIENCE FOR PEACE



Ceremony Programme 2 July 2014, Uni Fribourg

- 12:00 Lunch buffet and Visit of the Exhibition "60 Years of CERN" with the Interactive LHC tunnel
- 13:00 Start of the ceremony
- Welcome address by SPS and CHIPP
 - Speech by *Rolf Heuer*, Director-General of CERN on "60 Years of Science for Peace"
 - Panel discussion on "**CERN's Impact on Switzerland and its Society**" with panel members
Maurice Bourquin, Former President of CERN Council
Ralph Eichler, President of ETHZ, Vice-President of CRUS
Alexandre Fasel, Ambassador, Permanent Representative of Switzerland to the United Nations Office and to the international organisations in Geneva
Rolf Heuer, Director-General of CERN
Ulrich W. Suter, President of SATW
Friedrich K. Thielemann, President of the platform MAP, SCNAT
Martin Vetterli, President of SNSF research council
Moderator: *Olivier Dessibourg*, section leader Science & Environnement of "Le Temps"
- 15:00 End of the ceremony



ANS / JAHRE / ANNI CERN 