

PSI, Villigen
February-22, 2010

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 41 AT PSI
February 17 - 19, 2010**

present: Prof. J. Mesot (Chairman)
Dr. K. Clausen
Dr. C. Hoffman
Prof. K. Kirch
Prof. E. Morenzoni
Dr. C. Petitjean (Secretary)
Dr. L. Rivkin
Dr. M. Seidel

excused: Dr. R. Horisberger
Prof. H. Keller

1. Approval of Experiments

The recommendations of the BVR research committee and the μ SR research committee are acknowledged (see minutes and lists in the appendix).

New Proposals

- R-10-01.1 Lamb shift in muonic helium
R. Pohl, F. Kottmann, *MPQ Garching, ETHZ, LKB Paris, U. Coimbra & Aveiro, IFSW Stuttgart, Tsing Hua Taiwan, PSI, U. Tokyo*
Approved, 28 weeks in π E5 area. The beamtime allocation requested for the years 2012/13 will depend on the status of the μ ey experiment and shall be discussed in a later BVR meeting, see committee minutes.
- 20081432 Magnetism and Possible Onset of Magnetic Order in Yb₄LiGe₄
Michael J Graf, Boston College
Approved, 2 days GPS
- 20091500 Magnetism and Possible Onset of Magnetic Order in Yb₄LiGe₄
Michael J Graf, Boston College
Approved, 2 days LTF
- 20091181 Relationship between Spin Density Wave order and spin stripe order in charge ordered La_(2-x)Sr_(x)NiO₍₄₎ $x = 0.2$
Paul G Freeman, Inst. Laue-Langevin
Refused, 0 days GPS
- 20091233 Muon spin rotation studies of the pressure effect on the static stripe magnetic order in the La_{2-x}Ba_xCuO₄($x=1/8$) system
Zurab Guguchia, Univ. Zuerich
Approved, 4 days GPD
- 20091435 Muon spin rotation studies of the pressure effect on the static stripe magnetic order in the La_{2-x}Ba_xCuO₄($x=1/8$) system
Zurab Guguchia, Univ. Zuerich
Approved, 1 days GPS
- 20091367 μ SR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar
Kalaivani Thangavel, Univ. di Milano
Approved, 3 days GPS
- 20091412 μ SR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar
Kalaivani Thangavel, Univ. di Milano
Approved, 3 days LTF

- 20091389 Magnetic Order and Transitions in Novel Battery Electrode Materials
LiNiCoMnO₂
Martin Mansson, ETH Zuerich und Paul Scherrer Inst.
Refused, 0 days GPS
- 20091391 Intrinsic AF order and Li diffusion in epitaxial LiCoO₂ films
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Refused, 0 days LEM
- 20091394 New routes to low-dimensional magnetism using molecules
Tom Lancaster, Univ. of Oxford
Approved, 3 days LTF
- 20091398 New routes to low-dimensional magnetism using molecules
Tom Lancaster, Univ. of Oxford
Approved, 3 days GPS
- 20091396 Ferromagnetic hollandite, K₂Cr₈O₁₆
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 2 days GPS
- 20091463 Ferromagnetic hollandite, K₂Cr₈O₁₆
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 2 days LTF
- 20091401 Spin dynamics in triangular magnets
Alain Yaouanc, CEA, Grenoble
Approved, 2 days GPS
- 20091467 Spin dynamics in triangular magnets
Alain Yaouanc, CEA, Grenoble
Approved, 2 days LTF
- 20091402 Low Energy muSR on cuprate thin-films: investigating on disappearance of
stripe magnetism and appearance of superconductivity at zero-doping
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Approved, 5 days LEM
- 20091404 uSR study of isostructural heterometallic nanomagnets
Houshang Amiri Doumari, Facolta di Farmacia
Refused, 0 days GPS
- 20091441 uSR study of isostructural heterometallic nanomagnets
Houshang Amiri Doumari, Facolta di Farmacia
Refused, 0 days LTF
- 20091405 Long-range order and spin dynamics of the one-dimensional quantum
magnet CuNCN at ambient and high pressures
Alexander Tsirlin, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
Approved, 4 days GPD

- 20091478 Long-range order and spin dynamics of the one-dimensional quantum magnet CuNCN at ambient and high pressures
Alexander Tsirlin, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
Approved, 1 days GPS
- 20091408 The study of boron acceptor impurity in synthetic diamond by polarized negative muons.
Tair Mamedov, Joint Inst. for Nuclear Research
Approved, 6 days ALC
- 20091409 μ +SR studies on strongly correlated cubic Pr and Tm compounds with orbital degrees of freedom in the ground state
Hiroyuki S Suzuki, National Inst. for Materials Science (NIMS)
Approved, 2 days GPS
- 20091519 μ +SR studies on strongly correlated cubic Pr and Tm compounds with orbital degrees of freedom in the ground state
Hiroyuki S Suzuki, National Inst. for Materials Science (NIMS)
Approved, 2 days LTF
- 20091413 The relaxation mechanism of shallow acceptor centers in semiconductors
Tair Mamedov, Joint Inst. for Nuclear Research
Approved, 12 days GPD
- 20091415 Search for a magnetic transition in the geometrically frustrated system on a pyrochlore lattice Tb₂Ti₂O₇
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 2 days LTF
- 20091421 Spin dynamics in the single ion magnet ErW₁₀
Michael J Graf, Boston College
Refused, 0 days GPS
- 20091473 Spin dynamics in the single ion magnet ErW₁₀
Michael J Graf, Boston College
Refused, 0 days LTF
- 20091422 Muon Spin Rotation Study of oxygen induced superconductivity of FeTe films
Yuefeng Nie, Univ. Connecticut
Refused, 0 days LEM
- 20091423 μ SR study of the under- and overdoped Ba(Fe_{1-x}Ni_x)₂As₂ superconductors
Nikola A Egetenmeyer, ETH Zuerich und Paul Scherrer Inst.
Refused, 0 days GPS
- 20091424 Magnetic properties of orthorhombic TbMnO₃ and TmMnO₃ thin films
Christof W. Schneider, Paul Scherrer Institut
Approved, 3 days LEM

- 20091427 Muon studies of the magnetic phase separation in SrCoO_{2.5+x}
Yuefeng Nie, Univ. Connecticut
Refused, 0 days GPS
- 20091428 Ferromagnetism in dilute magnetic semiconductors, digital alloys and heterostructures: Manipulation of magnetic properties by proximity effects
Dmitry Eshchenko, Inst. for Nuclear Research RAS
Approved, 4 days LEM
- 20091433 Probing photo-induced effects of (Ga,Mn)As and (In,Mn)As by low-energy muons
Yasutomo J Uemura, Columbia Univ.
Approved, 4 days LEM
- 20091434 Magnetic Properties of quasi two-dimensional triangular antiferromagnets, [Pd(dmit)₂]₂ salts.
Yasuyuki Ishii, RIKEN
Approved, 3 days LTF
- 20091523 Magnetic Properties of quasi two-dimensional triangular antiferromagnets, [Pd(dmit)₂]₂ salts.
Yasuyuki Ishii, RIKEN
Approved, 3 days GPS
- 20091436 Spin dynamical properties of electronically correlated perovskites ACu₃Ru₄O₁₂ (A=Pr, Nd)
Axel Guenther, Univ. Augsburg
Refused, 0 days LTF
- 20091466 Spin dynamical properties of electronically correlated perovskites ACu₃Ru₄O₁₂ (A=Pr, Nd)
Axel Guenther, Univ. Augsburg
Refused, 0 days GPS
- 20091438 Study of the coexistence of magnetic order and superconductivity at the phase boundary of CeFeAsO_{1-xFx} by muSR spectroscopy
Toni Shiroka, Paul Scherrer Institut
Approved, 2 days GPS
- 20091439 Study of the superconducting properties of FeTe_{0.5}Se_{0.5} by muSR spectroscopy
Toni Shiroka, Paul Scherrer Institut
Approved, 3 days LEM
- 20091442 Photo carrier induced effects on the magnetic state of La_{2-x}Sr_xCuO₄ at low doping ($x \leq 0.02$)
Andreas Suter, Paul Scherrer Institut
Approved, 5 days LEM

- 20091443 Search for low energy fluctuations in the compound CaFe_2As_2 , parent of high T_c pnictide superconductors.
Roberto De Renzi, Univ. Parma
Approved, 2 days GPS
- 20091444 Muon Spin Relaxation of half-doped bilayer $\text{Pr}(\text{Sr}_{1-x}\text{Ca}_x)_2\text{Mn}_2\text{O}_7$ single crystals
Guochu Deng, Paul Scherrer Institut
Refused, 0 days GPS
- 20091445 Quantum spin liquids and quantum criticality : the cases of Cd and Mg atacamites
Fabrice Bert, Univ. Paris-Sud
Approved, 5 days GPS
- 20091503 Quantum spin liquids and quantum criticality : the cases of Cd and Mg atacamites
Fabrice Bert, Univ. Paris-Sud
Approved, 5 days LTF
- 20091504 Quantum spin liquids and quantum criticality : the cases of Cd and Mg atacamites
Fabrice Bert, Univ. Paris-Sud
Approved, 5 days GPD
- 20091447 Muon precession, relaxation, and spin reorientation in ferromagnetic DyAl_2
Ola L Hartmann, Univ. Uppsala
Refused, 0 days GPS
- 20091515 Muon precession, relaxation, and spin reorientation in ferromagnetic DyAl_2
Ola L Hartmann, Univ. Uppsala
Approved, 2 days GPD
- 20091448 Universality of the inhomogeneous superconducting state in overdoped high- T_c cuprates
Tadashi Adachi, Univ. Tohoku
Approved, 3 days GPS
- 20091449 μSR Investigation of the Magnetism at the Interface between Insulating SrTiO_3 and LaAlO_3
Zaher Salman, Paul Scherrer Institut
Approved, 5 days LEM
- 20091451 μSR Investigation of the Magnetism at the Interface between Insulating SrTiO_3 and LaAlO_3
Zaher Salman, Paul Scherrer Institut
Refused, 0 days GPS
- 20091453 Spin Susceptibility and Spin Relaxation in Highly Doped Semiconductors
Sarah R Dunsiger, Technische Univ. Muenchen
Approved, 10 days ALC

- 20091457 Microscopic Magnetic Nature of the Quasi-one-Dimensional Antiferromagnet BaCo₂V₂O₈
Martin Mansson, ETH Zuerich und Paul Scherrer Inst.
Approved, 2 days GPS
- 20091526 Microscopic Magnetic Nature of the Quasi-one-Dimensional Antiferromagnet BaCo₂V₂O₈
Martin Mansson, ETH Zuerich und Paul Scherrer Inst.
Refused, 0 days LTF
- 20091458 Exotic Vortex Structures in Sr₂RuO₄ and their Possible Relevance to Time Reversal Symmetry Breaking
Stephen L Lee, Univ. of St. Andrews
Approved, 3 days LTF
- 20091459 Magnetic Fluctuations in the Kondo Ferromagnet YbNiSn
Stephen L Lee, Univ. of St. Andrews
Approved, 3 days LTF
- 20091507 Magnetic Fluctuations in the Kondo Ferromagnet YbNiSn
Stephen L Lee, Univ. of St. Andrews
Approved, 3 days GPS
- 20091460 Order parameter investigation of LiErF₄ magnetic model by muSR measurement
Neda Nikseresht, EPF Lausanne
Approved, 3 days LTF
- 20091461 Interplay between unconventional superconductivity and magnetism in CeIrSi₃ under high pressure
Wataru Higemoto, Japan Atomic Energy Agency
Approved, 5 days GPD
- 20091465 Suppression of molecular motion at the surface of polydimethylsiloxane (PDMS)
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days LEM
- 20091469 Two-dimensional magnetism and superconductivity in Sr_{1-x}La_xCuO₂ epitaxial thin films
Frederic Bouquet, Univ. Paris XI
Approved, 5 days LEM
- 20091470 Spin glass behavior of very dilute iron nano-clusters in silver films
Jochen Litterst, Techn. Univ. Braunschweig
Approved, 3 days LEM
- 20091471 muSR investigation of the hole-doped RuSr₂(Nd,Gd)_{1.8-x}Ce_xY_{0.2}Cu₂O₁₀ ruthenocuprate family
Gianrico Lamura, Inst. Nazionale di Fisica della Materia
Refused, 0 days GPS

- 20091472 Low energy Muon Spin Rotation study of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$; thin films
 Ferenc Muranyi, Univ. Zuerich
 Refused, 0 days LEM
- 20091474 Microscopic studies of multiple ordered phases in SmX_3 ($X=\text{Sn,In,Tl,Pb}$)
 with a cubic Γ_8 ground state
 Takashi U. Ito, Japan Atomic Energy Agency
 Approved, 2 days GPS
- 20091475 Properties of doped manganese oxides near the metal-insulator transition
 Amit Kanigel, The Israel Inst. of Technology - Technion
 Approved, 2 days GPS
- 20091476 μSR measurements of small moment magnetism in the iridate compounds
 Sr_2IrO_4 and $\text{Sr}_3\text{Ir}_2\text{O}_7$
 Peter J Baker, Rutherford Appleton Lab.
 Approved, 1 days GPS
- 20091479 Probing long-range magnetic ordering in the low-dimensional quantum
 magnet CdV_3O_7
 Helge Rosner, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
 Approved, 1 days GPS
- 20091480 μSR Investigation of a Novel 3d Electronic State of the Fe Spin in Linear
 Two-Coordinate Iron Complexes
 Isao Watanabe, RIKEN
 Approved, 3 days ALC
- 20091481 Iron isotope effect on the magnetic field penetration depth of
 superconductor FeSe_{1-x}
 Rustem Khasanov, Paul Scherrer Institut
 Approved, 5 days LTF
- 20091483 Measurement of high-field muonium states of the Group-III Quinolates
 Alan J Drew, Queen Mary and Westfield College
 Approved, 10 days ALC
- 20091484 Studies of the anisotropy of the in-plane magnetic penetration depth of
 $\text{YBa}_2\text{Cu}_4\text{O}_{8-x}$ superconductor
 Rustem Khasanov, Paul Scherrer Institut
 Approved, 4 days LEM
- 20091485 Low-energy muon spin rotation study of magnetism in perovskite nickelate
 artificial superlattices
 Alexander V Boris, Max-Planck-Inst. Stuttgart
 Approved, 6 days LEM
- 20091486 Superconducting Properties of the Iron Pnictide RbFe_2As_2
 Zurab Shermadini, Paul Scherrer Institut
 Approved, 3 days LTF

- 20091488 Superconducting Properties of the Iron Pnictide RbFe_2As_2
Zurab Shermadini, Paul Scherrer Institut
Approved, 3 days GPS
- 20091487 Three dimensional phase diagram of $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$
Markus M. Bendele, Univ. Zuerich
Approved, 4 days GPS
- 20091489 Geometrical frustration in molecular magnets
Til Dellmann, Technische Univ. Dresden
Approved, 2 days GPS
- 20091532 Geometrical frustration in molecular magnets
Til Dellmann, Technische Univ. Dresden
Approved, 2 days LTF
- 20091491 Study of superconducting order parameter in unconventional $\text{PrOs}_4\text{Sb}_{12}$
under pressure with μSR .
Alexander Maisuradze, Paul Scherrer Institut
Approved, 6 days GPD
- 20091492 Study of superconducting order parameter in unconventional $\text{PrOs}_4\text{Sb}_{12}$
under pressure with μSR .
Alexander Maisuradze, Paul Scherrer Institut
Approved, 2 days LTF
- 20091494 Fermi surface of underdoped cuprates: electron pockets and disjointed
Fermi arcs
Rustem Khasanov, Paul Scherrer Institut
Approved, 5 days GPS
- 20091495 Extreme sensitivity of $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$ to excess of Fe
Markus M. Bendele, Univ. Zuerich
Approved, 4 days GPS
- 20091496 Effect of iron impurities to the superconducting response of FeSe_x
Markus M. Bendele, Univ. Zuerich
Approved, 12 days GPD
- 20091497 Field dependence of the magnetic penetration depth of FeSe_x
Markus M. Bendele, Univ. Zuerich
Refused, 0 days GPD
- 20091499 Muon spin rotation studies of Superconductivity and magnetism in $\text{Eu}_{1-x}\text{Ca}_x(\text{Fe}_{0.89}\text{Co}_{0.11})_2\text{As}_2$ ($x=0,0.5$)
Zurab Guguchia, Univ. Zuerich
Approved, 2 days GPS

- 20091501 Studies of the Penetration Depth and the Vortex Phase Diagram of Bi₂Sr₂Ca₂Cu₃O_{10-d} (Bi2223)
Stephen L Lee, Univ. of St. Andrews
Refused, 0 days GPS
- 20091505 Magnetism and superconductivity in novel iron arsenide phases
Stephen J Blundell, Univ. of Oxford
Approved, 4 days GPS
- 20091506 The topological insulator Bi₂Te₃
Stephen J Blundell, Univ. of Oxford
Approved, 3 days LEM
- 20091508 The topological insulator Bi₂Te₃
Stephen J Blundell, Univ. of Oxford
Approved, 1 days GPS
- 20091510 Small Molecule Transfer Through a Barrier
Upali A Jayasooriya, Univ. of East Anglia
Approved, 10 days ALC
- 20091513 Small Molecule Transfer Through a Barrier
Upali A Jayasooriya, Univ. of East Anglia
Approved, 5 days GPD
- 20091511 Longitudinal field measurement of deuterated TMS-Pentacene and non-deuterated pentacene
Alan J Drew, Queen Mary and Westfield College
Approved, 3 days GPS
- 20091512 Spin dynamics in a new family of frustrated magnets: the spinels CdR₂Se₄ (R = Er, Ho, Dy and Yb)
Jorge Lago, The Univ. of The Basque Country
Refused, 0 days LTF
- 20091517 Spin dynamics in a new family of frustrated magnets: the spinels CdR₂Se₄ (R = Er, Ho, Dy and Yb)
Jorge Lago, The Univ. of The Basque Country
Refused, 0 days GPS
- 20091514 DYNAMICS OF SURFACTANTS IN LUBRICATING OILS
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days GPD
- 20091516 DYNAMICS OF SURFACTANTS IN LUBRICATING OILS
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days ALC
- 20091518 ANTIOXIDANTS
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days GPS

- 20091520 ANTIOXIDANTS
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days ALC
- 20091524 High Magnetic Field MuSR Spectrometer - Detector tests
Robert Scheuermann, Paul Scherrer Institut
Approved, 48 days ALC
- 20091531 Measurement of the Photo-Induced Magnetic Effects in Cobalt-Dioxolene
Complexes
Matteo Mannini, Univ. Firenze
Approved, 3 days LEM
- 20091537 Surface Dynamics of Poly(tetrafluoroethylene) Thin Films
Iain D McKenzie, Rutherford Appleton Lab.
Approved, 3 days LEM
- 20091539 Magnetic Properties of Ferromagnetic Carbon Nanotube Forests
Hans-Henning Klauss, Technische Univ. Dresden
Refused, 0 days LEM

Continuations

- 20091283 Systematic Low-Energy Muon Investigation of the Superconducting Order
Parameter in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films
Martin Mansson, ETH Zuerich und Paul Scherrer Inst.
Approved, 8 days LEM
- 20091390 Relationship between spin density wave order and oxygen nonstoichiometry
in layered cobalt dioxides
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 1 days GPS
- 20091397 Microscopic Investigations of Metal-Superconductor Proximity Bilayers
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 5 days LEM
- 20091400 Muon spin relaxation measurement of the quasi-2D olivine antiferromagnet
 LiMnPO_4
Peter J Baker, Rutherford Appleton Lab.
Refused, 0 days GPS
- 20091403 Muon-spin-rotation measurements on the pnictide high T_c superconductors
Christian Bernhard, Univ. Fribourg
Approved, 4 days GPS
- 20091406 Direct study of proximity effects in LSCO heterostructures
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 8 days LEM

- 20091407 Absolute Value of the Magnetic Penetration Depth and Magnetic Field Profile in the Meissner State of Exotic Superconductors.
Robert F Kiefl, Univ. British Columbia
Approved, 10 days LEM
- 20091410 μ SR study of the two-dimensional antiferromagnets NiGa₂S₄ and FeGa₂S₄
Pierre Dalmas de Reotier, CEA, Grenoble
Refused, 0 days LTF
- 20091464 μ SR study of the two-dimensional antiferromagnets NiGa₂S₄ and FeGa₂S₄
Pierre Dalmas de Reotier, CEA, Grenoble
Refused, 0 days GPS
- 20091416 Measurement of the Magnetic Properties of a Mono-Layer of Single Molecule Magnets
Zaher Salman, Paul Scherrer Institut
Approved, 5 days LEM
- 20091490 Measurement of the Magnetic Properties of a Mono-Layer of Single Molecule Magnets
Zaher Salman, Paul Scherrer Institut
Approved, 1 days GPS
- 20091417 Possible coupling between magnetism and superconductivity in La_{1.84}Sr_{0.16}CuO₄/La₂CuO₄ superlattices
Andreas Suter, Paul Scherrer Institut
Approved, 5 days LEM
- 20091420 μ SR study on the inhomogeneity of superconductivity in the overdoped regime of La_{2-x}Sr_xCuO₄
Tadashi Adachi, Univ. Tohoku
Approved, 3 days GPS
- 20091426 On the origin of a Griffiths Phase in RCo₂
Julia Herrero-Albillos, Helmholtz-Zentrum Berlin fuer Materialien und Energie GmbH
Refused, 0 days GPS
- 20091440 Non-local electrodynamics effect in extreme low-kappa superconductors (continued).
Vladimir Kozhevnikov, Katholieke Univ. Leuven
Approved, 4 days LEM
- 20091446 Effect of Dimensionality on the Spin Dynamics of Geometrically Frustrated Magnetic Systems
Sarah R Dunsiger, Technische Univ. Muenchen
Approved, 5 days LEM

- 20091450 Pressure Effects on Hydrogenated CeNiSn
Calin Rusu, Babes-Bolyai Univ.
Approved, 6 days GPD
- 20091452 Paramagnetic Muonium as an Electron Spin Detector in Semiconductor Heterostructures
Sarah R Dunsiger, Technische Univ. Muenchen
Approved, 7 days LEM
- 20091455 Interaction of muonium states in semiconductors with photo induced charge carriers
Thomas Prokscha, Paul Scherrer Institut
Approved, 8 days LEM
- 20091456 Hydrogen impurity states in insulators and semiconductors at keV implantation energies
Thomas Prokscha, Paul Scherrer Institut
Approved, 5 days LEM
- 20091462 Molecular Dynamics of Calamitic Liquid Crystals
Iain D McKenzie, Rutherford Appleton Lab.
Approved, 9 days ALC
- 20091468 Measurement of the spin dynamics and frustration effects in molecular triangles
Zaher Salman, Paul Scherrer Institut
Approved, 3 days GPS
- 20091477 μ SR investigation of the magnetic Quantum Critical Point on CeCoGe $_{3-x}$ Si $_x$ heavy fermion induced by high pressure
Julio Antonio Larrea Jimenez, EPF Lausanne
Refused, 0 days LTF
- 20091482 μ SR Investigation of the Spin Dynamics of Central Metal Ions Fe of Heme proteins
Isao Watanabe, RIKEN
Approved, 6 days ALC
- 20091498 Study of giant proximity effect and critical opalescence in magnetic materials.
Silvia Ramos, Diamond Light Source Ltd
Approved, 5 days LEM
- 20091502 Multicriticality in the Fe-pnictide CeFeAs $_{1-x}$ P $_x$ O
Johannes Spehling, Technische Univ. Dresden
Approved, 12 days GPD
- 20091527 Multicriticality in the Fe-pnictide CeFeAs $_{1-x}$ P $_x$ O
Johannes Spehling, Technische Univ. Dresden
Approved, 3 days GPS

- 20091528 Multicriticality in the Fe-pnictide $\text{CeFeAs}_{1-x}\text{PxO}$
Johannes Spehling, Technische Univ. Dresden
Approved, 2 days LTF
- 20091509 Pressure induced FM order in CeB_6
Daniel Andreica, Babes-Bolyai Univ.
Approved, 7 days GPD
- 20091521 MuSR studies at ambient and applied pressures of the heavy-fermion
 CeRhSi_3
Nikola A Egetenmeyer, ETH Zuerich und Paul Scherrer Inst.
Approved, 6 days GPD
- 20091522 MuSR studies at ambient and applied pressures of the heavy-fermion
 CeRhSi_3
Nikola A Egetenmeyer, ETH Zuerich und Paul Scherrer Inst.
Refused, 0 days LTF
- 20091529 Magnetic and Superconducting Properties of $(\text{Ca},\text{Ba},\text{Eu})\text{Fe}_{2-x}\text{Co}_x\text{As}_2$ iron
pnictides
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 2 days GPS
- 20091530 Magnetic and Superconducting Properties of $(\text{Ca},\text{Ba},\text{Eu})\text{Fe}_{2-x}\text{Co}_x\text{As}_2$ iron
pnictides
Hans-Henning Klauss, Technische Univ. Dresden
Refused, 0 days LEM
- 20091534 Magnetic and superconducting properties of iron pnictides with perovskite
oxide layers
Hubertus Luetkens, Paul Scherrer Institut
Approved, 3 days GPS
- 20091536 Magnetic and superconducting properties of iron pnictides with perovskite
oxide layers
Hubertus Luetkens, Paul Scherrer Institut
Approved, 7 days GPD
- 20091538 Propagation of magnetic excitations on one dimensional spin chains with
selective doping
Hemke Maeter, Technische Univ. Dresden
Approved, 4 days GPS
- 20091540 Magnetic and Superconducting Properties of Iron Pnictides
Hemke Maeter, Technische Univ. Dresden
Approved, 5 days GPS

Beam Request for Pion-Irradiation

R-10-02.0 Pion induced Change of Material Parameters in Silicon
T. Rohe, *PSI, INFN, CERN, Santa Cruz*
Approved, 3 weeks in π E1 area.

2. Beam schedules

The 600 MeV ring accelerator is scheduled for 34 weeks of high intensity beam production from April 30 to December 23, 2010 (see research schedule in the appendix). The primary beam intensity will be tuned to 2.2 mA, with some peak intensity shifts up to 2.4 mA. Due to the installation of a new ion source, the basic operation structure will be enlarged from three-week to four-week long cycles, which results in less interruptions for maintenance and beam development, see

<http://abe.web.psi.ch/schedule/yearplan2010.php>

As usual, the beam schedules 2010 will be regularly updated and are displayed on the internet:

- http://ltp.web.psi.ch/accelerator_and_beams/schedule.pdf for the general schedule
- http://lmu.web.psi.ch/facilities/schedules/musr-schedule_2010.pdf for μ SR details

3. Use of π E3 beam for future Highfield μ SR facility

The Highfield μ SR project will require a total reconstruction of the π E3 beam and area into a dedicated beam facility. The 10 Tesla magnet is on order and scheduled to be delivered next November, with first commissioning tests in π E3 in December 2010.

The experiments using presently the π E3 beam were notified that beam and area are no more available after end of 2011. Since the π E1 beam may be suitable as a future replacement, a corresponding beamtest has been allocated in early September 2010.

4. Varia

The next meeting BV42 is scheduled for February 16 - 18, 2011. The first day is reserved for reviews of μ e γ and UCN experiments. The **deadline** for beam requests, new proposals and addenda is **January 17, 2011**. Users are requested to make electronic submissions of their documents (pdf files).

The dates for the next meeting BVRA-2011 are not fixed yet.

Attachments

- PSI 590 MeV Program April 30 – December 23, 2010
- BV41 list of PSI HE experiments
- the short minutes with recommendations of the scientific committee for particle physics experiments can be found on http://tp.web.psi.ch/user_information/user_meeting.htm

PSI 590 MeV Program April – December 2010

Number of week				17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51													
Cycle dates				30.04.-03.05.				06.05.-24.05.				27.05.-14.06.				17.06.-12.07.				15.07.-09.08.				12.08.-06.09.				09.09.-04.10.				07.10.-01.11.				04.11.-29.11.				02.12.-23.12.											
Area	Proposal	Spokesman	KTR	Experiment																																															
μ M 1	Deters	114 100	Tests	reconstruction																																															
	Grab	710000	ETHPraktikum																																																
μ M 3	RA-Progr.	Amato (coord)	716 100	μ SR (GPS & LTF)																																															
μ E 1	R-05-01	Focanic	114 192	$\pi^- \rightarrow e \nu$																																															
	R-10-02	Rohe		π^- irradiation																																															
		Petitjean		Test low mom. μ^- beamline																																															
	RA-Progr.	Amato (coord)	735100	μ SR (DOLLY)																																															
μ E 3	RA-progr.	Schuurmann (d)	735100	μ SR (ALC) / highfield μ SR																																															
	R-97-05	Kammel, Petitjean	114 157	M usun																																															
μ E 5	R-99-05	Mori, Baldini	119 100	μ ey																																															
	Separator																																																		
μ E 1	RA-Progr.	RA-program	735100	μ SR (GPD)																																															
μ E 4	RA-Progr.	Prokacha coord	735200	slow μ^- exp. (LEM)																																															

■ proposed official beamtimes particle physics
■ proposed official beamtimes μ SR
■ open beamtimes
■ proposed test beam times

BV41 LIST OF PSI π/μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2010

AREA	PROPOSAL	SPOKESPERSONS	EXPERIMENT	BEAM STATUS (1 Week = 5 real days)			BEAM ALLOCATIONS 2010		
				Used	Allocation	Ref.	Request	Remarks	Allocation
π M1	Praktikum	GRAB	Praktikum Particle Physics ETH	appr.			3 W	30.8. - 17.9.2010	3 W
		DEITERS (coordinator)	various test experiments				10 W		10 W
π M3	RA-Program	AMATO (coordinator)	μ SR (GPS & LTF)	(see BVRA)			34 W (GPS + LTF)		34 W
π E1	RA-Program	AMATO (coordinator)	μ SR with DOLLY	(see BVRA)			16 W	9.9.-23.12.2010	16 W
	R-05-01	POCANIC	$\pi^+ \rightarrow e^+ \nu$	62 W	appr.	BV37	18 W	Mai-Aug. 2010	14 W
	R-10-02	ROHE	π irradiations				4 W		3 W
		PETITJEAN (coordinator)	test new beamline				1 W	Sept	1 W
π E3	R-08-01	KAMMEL et al.	μ -d capture (Musun)	6 W(T)	appr.	BV39	11 W	3W May / 8W Nov-Dec	11 W
	RA-Program	SCHEUERMANN (coord.)	μ SR (ALC) / high field μ SR	(see BVRA)			20 W	June-Aug / Nov-Dec	21 W
π E5	R-99-05	MORI, BALDINI	$\mu \rightarrow e + \gamma$	153 W(T)	appr.	BV29	34 W		34 W
μ E1	RA-Props.	AMATO (coordinator)	μ SR (GPD)	(see BVRA)			22 W	1st round	22 W*
μ E4	slow μ^+	PROKSCHA (coordinator)	LEM slow μ^+ facility	(see BVRA)			34 W		34 W

* last 12 μ SR weeks will be allocated in a second round