

PSI, Villigen
March-28, 2011

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 42 AT PSI
February 16 - 18, 2011**

present: Dr. K. Clausen (Chairman)
Dr. C. Hoffman
Prof. K. Kirch
Dr. C. Petitjean (Secretary)
Dr. Th. Prokscha
Dr. M. Seidel

excused: Prof. J. Mesot
Prof. C. Bernhard
Dr. R. Horisberger
Prof. E. Morenzoni
Dr. L. Rivkin

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-11-01.1 Test Existence of Pion-Muon Decay Asymmetry (PMAx)
J.S. Conway, *UC Davis*, W.A. Perkins, *Auburn*, M.J. Miller, *UW Seattle USA*
Rejected, see committee minutes.
- 20101133 Low temperature study of the diluted spin Ice $(\text{Dy}_x \text{Y}_{1-x})_2 \text{Ti}_2 \text{O}_7$
Jose Rodriguez Alvarez, Paul Scherrer Institut
Approved, 2 days LTF
- 20101382 Low temperature study of the diluted spin Ice $(\text{Dy}_x \text{Y}_{1-x})_2 \text{Ti}_2 \text{O}_7$
Jose Rodriguez Alvarez, Paul Scherrer Institut
Approved, 2 days GPS
- 20101364 μ SR investigation of Sr_2IrO_4 -d single crystals - magnetism and doping induced metallicity in a ferromagnetic Mott-insulator with strong spin-orbit coupling
Christian Bernhard, Univ. Fribourg
Approved, 4 days GPS
- 20101373 μ SR investigation of Sr_2IrO_4 -d single crystals - magnetism and doping induced metallicity in a ferromagnetic Mott-insulator with strong spin-orbit coupling
Christian Bernhard, Univ. Fribourg
Approved, 2 days Dolly
- 20101365 Search for Spontaneous Magnetism near the Surface of Unconventional Superconductors using LE- μ SR
Hassan Saadaoui, Paul Scherrer Institut
Approved, 6 days LEM
- 20101366 Voltage-induced magnetism near the surface of Pd films
Hassan Saadaoui, Paul Scherrer Institut
Approved, 4 days LEM
- 20101368 Effect of bond disorder in spin-1/2 antiferromagnetic Heisenberg chains
Matthias Carsten Thede, ETH Zuerich
Approved, 4 days LTF
- 20101501 Effect of bond disorder in spin-1/2 antiferromagnetic Heisenberg chains
Matthias Carsten Thede, ETH Zuerich
Approved, 4 days GPS

- 20101370 Ferromagnetism Homogeneity Investigation of Alkali Metal Doped ZnO Films
Jiabao Yi, National Univ. of Singapore
Approved, 5 days LEM
- 20101371 Spin dynamics in copper triangles
Tom Lancaster, Univ. of Oxford
Approved, 3 days GPS
- 20101372 Magnetism in two dimensions with molecular systems involving nickel and cobalt
Tom Lancaster, Univ. of Oxford
Approved, 4 days LTF
- 20101389 Magnetism in two dimensions with molecular systems involving nickel and cobalt
Tom Lancaster, Univ. of Oxford
Approved, 2 days GPS
- 20101374 Muon Knight shift measurements in NiTi alloys for the study of pre-martensitic phenomena of thermoelastic martensitic transformation
Mototsugu Mihara, Univ. Osaka
Refused, 0 days GPS
- 20101451 Photo carrier induced effects on the magnetic state of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ at low doping ($x \leq 0.02$)
Andreas Suter, Paul Scherrer Institut
Approved, 2 days Dolly
- 20101379 Novel magnetic phenomena in variants of the kagome lattice
Peter J Baker, Rutherford Appleton Lab.
Approved, 3 days GPS Dolly
- 20101380 Field-induced magnetic phases in the triangular-lattice quantum spin liquid $\kappa\text{-(BEDT-TTF)}_2\text{Cu}_2(\text{CN})_3$
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days LTF
- 20101385 Investigation of superconducting fluctuations by μSR
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 6 days LEM
- 20101452 Investigation of superconducting fluctuations by μSR
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 3 days GPS
- 20101388 Mutual influence between a superconducting thin film and (superparamagnetic) nano islands
Maarten Trekels, Katholieke Univ. Leuven
Approved, 3 days LEM

- 20101390 Muonium formation yield in SiO₂ thin films
Aldo Antognini, ETH Zuerich
Approved, 4 days LEM
- 20101393 Spin State Ordering and Phase Transition of SrFeO_{2.75}
Qiang Liu, CNRS, Pessac
Approved, 1 days Dolly
- 20101408 Muon spin relaxation study of a holmium polyoxometalate molecular magnet with potential as a magnetic qubit
Francis L Pratt, Rutherford Appleton Lab.
Approved, 2 days LTF
- 20101409 The effect of disorder on T_n in a Mott insulator
Elias Lahoud, The Israel Inst. of Technology - Technion
Approved, 2 days Dolly
- 20101503 Measurement of the Magnetic Properties of Single Molecule Magnets Thin Films
Zaher Salman, Paul Scherrer Institut
Approved, 2 days Dolly
- 20101412 Spin glass behavior in the quasi-one dimensional quantum S=1/2 antiferromagnet BaCu(Si_{0.5}Ge_{0.5})₂O₇
Matthias Carsten Thede, ETH Zuerich
Approved, 2 days LTF
- 20101502 Spin glass behavior in the quasi-one dimensional quantum S=1/2 antiferromagnet BaCu(Si_{0.5}Ge_{0.5})₂O₇
Matthias Carsten Thede, ETH Zuerich
Approved, 2 days GPS
- 20101414 Magnetic and Superconducting Properties of Electron-Doped La_{2-x}Ce_xCuO₄ Bulk Samples
Gwendolyne Pascua, Paul Scherrer Institut
Approved, 4 days Dolly
- 20101417 Low-energy MuSR studies of Skyrmions in MnSi, FeGe, and other B-20 systems
Yasutomo J Uemura, Columbia Univ.
Approved, 4 days LEM
- 20101418 High-pressure muon spin relaxation study for (BEDT-TTF)-based organic antiferromagnets
Kazuhiko Satoh, Saitama Univ.
Approved, 4 days GPD
- 20101421 Superconductivity and weak ferromagnetism in Y₉Co₇
Jacob Larsen, Risoe National Lab.
Refused, 0 days GPS

- 20101505 Superconductivity and weak ferromagnetism in Y9Co7
Jacob Larsen, Risoe National Lab.
Refused, 0 days LTF
- 20101422 Emergent magnetic order in new strongly correlated 3d and 4f electron systems
Johannes Spehling, Technische Univ. Dresden
Approved, 3 days GPS Dolly
- 20101479 Emergent magnetic order in new strongly correlated 3d and 4f electron systems
Johannes Spehling, Technische Univ. Dresden
Refused, 0 days LTF
- 20101424 Magnetic order in YBa2Cu3O7/LaMnO3 heterostructures
Christian Bernhard, Univ. Fribourg
Approved, 4 days LEM
- 20101425 Study of superconductivity vs. FeAs plane distance in iron pnictides with perovskite-type oxide blocking layers by muSR spectroscopy
Gianrico Lamura, Consiglio Nazionale delle Ricerche/CNR-SPIN
Refused, 0 days GPS
- 20101426 Phase transition and spin dynamics in the geometrically frustrated magnet on a pyrochlore lattice Nd2Sn2O7
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 2 days LTF
- 20101476 Phase transition and spin dynamics in the geometrically frustrated magnet on a pyrochlore lattice Nd2Sn2O7
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 1 days GPS
- 20101430 Manganese: a poison for LaFeAsO1-xFx superconductors
Pietro Carretta, Univ. degli Studi di Pavia
Approved, 3 days GPS
- 20101431 Quantum entanglement in Cr7Ni-based molecular nanomagnets : a MuSR study
Sabareesh KP Velu, Facolta di Farmacia
Approved, 3 days LTF
- 20101433 Quantum entanglement in Cr7Ni-based molecular nanomagnets : a MuSR study
Sabareesh KP Velu, Facolta di Farmacia
Approved, 3 days GPS
- 20101432 MuSR study of spin dynamics in Superparamagnetic Fe3O4 Nanoparticles coated with Rhamnose Sugar-Extension
Kalaivani Thangavel, Univ. di Milano
Approved, 2 days GPS

- 20101434 MuSR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar-Extension
Kalaivani Thangavel, Univ. di Milano
Approved, 2 days LTF
- 20101435 Magnetic order in La₄Ni₃O₈, a 2D square Ni oxide isoelectronic with the cuprates.
Roberto De Renzi, Univ. Parma
Approved, 2 days GPS
- 20101436 Studies of the origin of anomalous losses in niobium superconducting RF cavities
Alexander Romanenko, Fermilab
Refused, 0 days LEM
- 20101437 Angular dependence of the zero-field muon-spin depolarization in La_{2-x}Sr_xCuO₄
Bastian M. Wojek, Univ. Zuerich
Approved, 2 days GPS Dolly
- 20101438 Determination of the magnetic penetration depth of Ni overdoped BaFe₂As₂ by means of low energy and bulk muSR
Nikola A Egetenmeyer, Paul Scherrer Institut
Approved, 4 days LEM
- 20101515 Determination of the magnetic penetration depth of Ni overdoped BaFe₂As₂ by means of low energy and bulk muSR
Nikola A Egetenmeyer, Paul Scherrer Institut
Approved, 1 days GPS
- 20101440 Interplay of itinerant and localized magnetism in RECoAsO samples under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 7 days GPD
- 20101497 Interplay of itinerant and localized magnetism in RECoAsO samples under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 2 days GPS Dolly
- 20101442 Pressure effect studies on Pr Neel order in YPr₁₂₄ system.
Alexander Maisuradze, Paul Scherrer Institut
Approved, 5 days GPD
- 20101510 Pressure effect studies on Pr Neel order in YPr₁₂₄ system.
Alexander Maisuradze, Paul Scherrer Institut
Approved, 1 days GPS Dolly

- 20101498 Rare-earth magnetic transition in parental REFeAsO under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 2 days Dolly
- 20101445 Rates of Molecular Transfer Across Interfacial Layers Using μ SR
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days GPD
- 20101449 Temperature-dependent magnetic and superconducting properties of La(1.88)Sr(0.12)CuO(4).
Jacob Larsen, Risoe National Lab.
Approved, 2 days GPS
- 20101450 Study of the Coexistence and Competition of Antiferromagnetism and Superconductivity in Ba(Fe_{1-x}Co_x)₂As₂
Christof Niedermayer, Paul Scherrer Institut
Approved, 3 days GPS
- 20101453 Chemical and hydrostatic pressure effects on magnetism and superconductivity
in the system EuFe₂(As_{1-x}P_x)₂ (x=0.1, 0.16, 0.18, 0.2, 0.4, 0.8).
Zurab Guguchia, Univ. Zuerich
Approved, 4 days GPS
- 20101516 Chemical and hydrostatic pressure effects on magnetism and superconductivity
in the system EuFe₂(As_{1-x}P_x)₂ (x=0.1, 0.16, 0.18, 0.2, 0.4, 0.8).
Zurab Guguchia, Univ. Zuerich
Approved, 5 days GPD
- 20101454 Direct Magnetoelectric Effect in Ferromagnet/Dielectric Heterostructures
Sarah R Dunsiger, Techn. Univ. Muenchen
Refused, 0 days LEM
- 20101457 Characterizing the magnetic phase underlying the enhanced Curie temperature in EuO_{1-x}
Peter J Baker, Rutherford Appleton Lab.
Approved, 3 days LEM
- 20101458 Non-dipolar order in PrT₂Al₂₀(T=Ti,V,Cr) with cubic Gamma₃ ground state
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 2 days LTF
- 20101461 Non-dipolar order in PrT₂Al₂₀(T=Ti,V,Cr) with cubic Gamma₃ ground state
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 2 days GPS

- 20101459 Study of the superconducting and magnetic properties of iron selenide $K_{1-x}Fe_2Se_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 4 days GPS
- 20101518 Study of the superconducting and magnetic properties of iron selenide $K_{1-x}Fe_2Se_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 4 days Dolly
- 20101519 Study of the superconducting and magnetic properties of iron selenide $K_{1-x}Fe_2Se_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 8 days GPD
- 20101520 Study of the superconducting and magnetic properties of iron selenide $K_{1-x}Fe_2Se_2$
Zurab Shermadini, Paul Scherrer Institut
Refused, 0 days LEM
- 20101463 Exploring the magnetic phase of novel iron arsenide superconductors
Stephen J Blundell, Univ. of Oxford
Approved, 6 days GPS Dolly
- 20101464 Surface and bulk superconductivity in the topological superconductor $CuBi_2Se_3$
Amit Kanigel, The Israel Inst. of Technology - Technion
Approved, 1.5 days LEM
- 20101506 Surface and bulk superconductivity in the topological superconductor $CuBi_2Se_3$
Zaher Salman, Paul Scherrer Institut
Approved, 1 days GPS
- 20101470 Pressure effect on $CeIn_2$
Calin Rusu, Babes-Bolyai Univ.
Approved, 6 days GPD
- 20101471 Spin-Liquid to Luttinger-Liquid Transition in a Quantum Spin Ladder
Erik Wulf, ETH Zuerich
Approved, 5 days LTF
- 20101526 Spin-Liquid to Luttinger-Liquid Transition in a Quantum Spin Ladder
Matthias Carsten Thede, ETH Zuerich
Approved, 1 days GPS
- 20101473 Investigation of the coupling of magnetism and ferroelectricity in $BiFeO_3$
Alan J Drew, Queen Mary and Westfield College
Refused, 0 days GPS

- 20101509 Magnetic and superconducting properties of iron pnictides with perovskite oxide layers
Hubertus Luetkens, Paul Scherrer Institut
Approved, 4 days GPS
- 20101475 Anisotropy in the voltage dependence of magnetoresistance and on the relevancy of "strong coupling" in magnetic oxide based organic spin valves
Alan J Drew, Queen Mary and Westfield College
Approved, 6 days LEM
- 20101477 Ferromagnetic order and p-wave superconductivity in the Ni-doped Fe-pnictide superconductor LiFeAs
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 2 days GPS
- 20101481 Electric Field Control Investigation of the Multiferroic Ni₃V₂O₈.
Sean R Giblin, Rutherford Appleton Lab.
Approved, 3 days Dolly
- 20101486 Magnetic Properties of Quasi Two Dimensional Triangular Antiferromagnets, [Pd(dmit)₂]₂ Salts.
Yasuyuki Ishii, RIKEN
Approved, 3 days GPS
- 20101532 Interplay of d- and 4f- magnetism in the pnictide system RTPO (R = Ce, La)(T = Co, Ru)
Johannes Spehling, Technische Univ. Dresden
Approved, 2 days LTF
- 20101534 Spin dynamics in spin triangles with S=1/2,5/2
Nicolas Yeché, Technische Univ. Dresden
Refused, 0 days LTF
- 20101491 Effect of non magnetic Zn impurities on magnetism and superconductivity in Ba(Fe_{1-x-y}CoxZny)₂As₂
Christian Bernhard, Univ. Fribourg
Approved, 3 days Dolly
- 20101490 Fragility of the 'ordered spin ice' ground state in Tb₂Sn₂O₇
Fabrice Bert, Univ. Paris-Sud
Approved, 5 days LTF
- 20101492 Fragility of the 'ordered spin ice' ground state in Tb₂Sn₂O₇
Fabrice Bert, Univ. Paris-Sud
Approved, 4 days GPS
- 20101493 Investigating the low dimensional magnetic properties of the Dioptase lattice
Joseph M Law, Max-Planck-Inst. Stuttgart
Approved, 2 days GPS

- 20101494 Study of re-entrant magnetic ordering in nearly optimal F-doped $\text{SmFe}_{1-y}\text{Ru}_y\text{AsO}_{0.85F_0.15}$ as a function of isoelectronic Fe/Ru substitution.
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 3 days GPS
- 20101499 Low energy muons implanted in topological insulating films
Stephen J Blundell, Univ. of Oxford
Approved, 3 days LEM
- 20101500 Hydrogen impurity states in 3C-SiC thin films
Patrick G Soukiassian, Univ. Paris-Sud
Approved, 6 days LEM
- 20101504 Superconductivity induced by proximity effect in a topological insulator.
Andrea D Bianchi, Univ. de Montreal
Approved, 1.5 days LEM
- 20101507 Pressure effect on nearly optimal F-doped $\text{SmFe}_{1-y}\text{Ru}_y\text{AsO}_{0.85F_0.15}$
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 4 days GPD
- 20101508 Pressure effect on nearly optimal F-doped $\text{SmFe}_{1-y}\text{Ru}_y\text{AsO}_{0.85F_0.15}$
Samuele Sanna, Univ. degli Studi di Pavia
Refused, 0 days Dolly
- 20101517 Testing of materials and different constructions of the pressure cells for muon experiment.
Rustem Khasanov, Paul Scherrer Institut
Approved, 8 days GPD
- 20101527 Influence of P substitution on the superconducting and magnetic properties of $\text{SmFeAs}_{1-x}\text{P}_x\text{O}$
Rustem Khasanov, Paul Scherrer Institut
Approved, 2 days GPS
- 20101528 Influence of P substitution on the superconducting and magnetic properties of $\text{SmFeAs}_{1-x}\text{P}_x\text{O}$
Rustem Khasanov, Paul Scherrer Institut
Approved, 3 days Dolly
- 20101529 Magnetite thin films with giant Verwey transition
Hubertus Luetkens, Paul Scherrer Institut
Approved, 3 days LEM
- 20101530 Counterion Binding Dynamics in Lamellar Phase Dispersions
Iain D McKenzie, Rutherford Appleton Lab.
Approved, 4 days ALC

- 20101531 Influence of magnetic impurities on the superconducting properties of FeSe_{1-x}
Rustem Khasanov, Paul Scherrer Institut
Approved, 5 days Dolly
- 20101533 High pressure effects on spin dynamics of bilayer manganites Pr(Sr_{1-x}Ca_x)₂Mn₂O₇
Guochu Deng, Paul Scherrer Institut
Approved, 6 days GPD
- 20101535 High pressure effects on spin dynamics of bilayer manganites Pr(Sr_{1-x}Ca_x)₂Mn₂O₇
Guochu Deng, Paul Scherrer Institut
Approved, 3 days Dolly
- 20101536 Pressure tuning of magnetic couplings in the frustrated diamond chain compound Cu₃(CO₃)₂(OH)₂
Andrea Prodi, Univ. Copenhagen
Approved, 5 days GPD

2. Beam schedules

The 600 MeV ring accelerator is scheduled for 34 weeks of high intensity beam production from April 11 to December 02, 2011 (see beam operations schedule 2011 on <http://abe.web.psi.ch/schedule/yearplan2011.php> and research schedule in the appendix).

As usual, the beam schedules 2011 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.html> for μ SR details

3. Use of the UCN Facility

After the successful commissioning with first ultra cold neutrons in December 2010, the UCN facility still needs a prolonged period of tests and trial operations where cold neutrons will only be available for short tests on a day to day basis. From August 2011 on it is hoped that some scheduled shifts can be allocated, and in the last 2 months (October-November 2011) a regular production may be initiated depending on the success of the preceding trial operations.

For the other users of the 600 MeV cyclotron, announcements and signals will be provided early on, such that they can test whether the UCN operation might influence their experiments.

4. Extended π E1 area

As announced last year, the π E3 beam will no longer be available for particle physics from 2012 on. In the meantime a successful test was made of the π E1 beam demonstrating its feasibility for experiments with low energy muons. To accommodate sufficient space for a beamline that includes separators, kickers and large experimental setups, an extension of the π E1 area toward the former NE-B low energy area is now in preparation. The planning will be such that the DOLLY μ SR facility can alternatively be operated as in the past.

5. Varia

The next meeting BV43 is scheduled for February 21- 23, 2012. The first day is reserved for reviews of $\mu\gamma$ and UCN experiments. The **deadline** for beam requests, new proposals and addenda is **January 23, 2012**. 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 11 – December 02, 2011
- BV42 list of PSI HE experiments
- BVRA-2011 list of PSI μ SR experiments
- the short minutes with recommendations of the scientific committee for particle physics experiments can be found on http://ltp.web.psi.ch/user_information/user_meeting.htm

PSI 590 MeV Program April – December 2011

Number of week 2011				15	16	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		
Cycle dates				11.04. - 26.04.				28.04. - 23.05.				26.05. - 20.06.				22.06. - 18.07.				21.07. - 15.08.				18.08. - 12.09.				15.09. - 10.10.				13.10. - 07.11.				10.11. - 02.12.			
Area	proposal	spokesman	KTR	Experiment																																			
PIM1		Deiters	114100	Tests																																			
		Grab,Schoening	710000	ETH/U-HeidelbergPraktikum																																			
PIM3	RA-Progr.	Amato (coord)	718100	MuSR (GPS<F)																																			
PIE1	R-10-02	Rohe	116000	Beam Studies																																			
			114157	Tests																																			
	Ra-Progr.	Amato (coord)	718100	MuSr (Dolly)																																			
PIE3	RA-Progr.	Scheuermann	735100	MuSR (ALC,Hochfeld)																																			
	R-07-05	Kammel,Petijean	114157	Musun																																			
PIE5	R-99-05	Mori,Baldini	119100	MEG																																			
MuE1	RA-Progr.	Amato (coord)	718100	MuSR (GPC)																																			
MuE4	RA-Progr.	Prokscha (coord)	735200	LEM																																			
UCN	R-05-03	Kirch,Fierlinger		nEDM																																			
	R-07-01	Picker		PENeLOPE (n lifetime)																																			
				Tests																																			
Inj. 2 and Ring Cycles																																							

- beam time for particle physics
- beam time for MuSR
- not allocated
- beam time for tests

- HE beam
- service, machin development
- accelerator start-up / stop

PSI Beam operations :

<http://abe.web.psi.ch/schedule/yearplan2011.php>

BV42 LIST OF PSI π/μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2011

AREA	PROPOSAL	SPOKESPERSONS	EXPERIMENT	BEAM STATUS (1 Week = 5 real days)			BEAM ALLOCATIONS 2011		
				Used	Allocation	Ref.	Request	Remarks	Allocation
π M1	Praktikum	GRAB,SCHOENING DEITERS (coordinator)	Praktikum ETH-Heidelberg various test experiments		appr.		3 W W	22.8. - 12.9.2011	3 W W
π M3	RA-Program	AMATO (coordinator)	μ SR (GPS & LTF)		(see BVRA)		24 W	1st round	24 W*
π E1	RA-Program	AMATO (coordinator)	μ SR with DOLLY		(see BVRA)		26 W	11.4.-10.10.2011	26 W
	R-10-02	ROHE	Beamtests		tests appr. BV41		4 W	7.11. - 2.12.2011	4 W
		PETITJEAN (coordinator)	Beam tests for LTP				4 W	10.10.-7.11.2011	4 W
π E3	R-08-01	KAMMEL et al.	μ -d capture (Musun)	17 W(T)	appr. BV39		12 W	20.6.-12.9.2011	12 W
	RA-Program	SCHEUERMANN (coord.)	μ SR (ALC) /setup high field μ SR		(see BVRA)		22 W	11.4.-20.6./12.9.ff	22 W
π E5	R-99-05	MORI, BALDINI	$\mu \rightarrow e + \gamma$	187 W	appr. BV29		34 W		34 W
μ E1	RA-Program	AMATO (coordinator)	μ SR (GPD)		(see BVRA)		24 W	1st round	24 W*
μ E4	slow μ^+	PROKSCHA (coordinator)	LEM slow μ^+ facility		(see BVRA)		34 W		34 W
UCN	R-05-03	KIRCH, FIERLINGER	nEDM		appr. BV36		W	Commissioning	W
	R-07-01	PICKER	PENeLOPE		tests appr. BV42		W	Tests	W
			UCNA		tests appr. BV42		W	Tests	W

* last 10 μ SR weeks will be allocated in a second round

BVRA-2011 list of PSI μ SR experiments

- 20101133** Low temperature study of the diluted spin Ice $(\text{Dy}_x\text{Y}_{1-x})_2\text{Ti}_2\text{O}_7$
Jose Rodriguez Alvarez, Paul Scherrer Institut
Approved, 2 days LTF
- 20101382** Low temperature study of the diluted spin Ice $(\text{Dy}_x\text{Y}_{1-x})_2\text{Ti}_2\text{O}_7$
Jose Rodriguez Alvarez, Paul Scherrer Institut
Approved, 2 days GPS
- 20101364** μ SR investigation of Sr_2IrO_4 -d single crystals - magnetism and doping induced metallicity in a ferromagnetic Mott-insulator with strong spin-orbit coupling
Christian Bernhard, Univ. Fribourg
Approved, 4 days GPS
- 20101373** μ SR investigation of Sr_2IrO_4 -d single crystals - magnetism and doping induced metallicity in a ferromagnetic Mott-insulator with strong spin-orbit coupling
Christian Bernhard, Univ. Fribourg
Approved, 2 days Dolly
- 20101365** Search for Spontaneous Magnetism near the Surface of Unconventional Superconductors using LE- μ SR
Hassan Saadaoui, Paul Scherrer Institut
Approved, 6 days LEM
- 20101366** Voltage-induced magnetism near the surface of Pd films
Hassan Saadaoui, Paul Scherrer Institut
Approved, 4 days LEM
- 20101368** Effect of bond disorder in spin-1/2 antiferromagnetic Heisenberg chains
Matthias Carsten Thede, ETH Zuerich
Approved, 4 days LTF
- 20101501** Effect of bond disorder in spin-1/2 antiferromagnetic Heisenberg chains
Matthias Carsten Thede, ETH Zuerich
Approved, 4 days GPS
- 20101370** Ferromagnetism Homogeneity Investigation of Alkali Metal Doped ZnO Films
Jiabao Yi, National Univ. of Singapore
Approved, 5 days LEM
- 20101371** Spin dynamics in copper triangles
Tom Lancaster, Univ. of Oxford
Approved, 3 days GPS Dolly
- 20101372** Magnetism in two dimensions with molecular systems involving nickel and cobalt
Tom Lancaster, Univ. of Oxford
Approved, 4 days LTF
- 20101389** Magnetism in two dimensions with molecular systems involving nickel and cobalt
Tom Lancaster, Univ. of Oxford
Approved, 2 days GPS
- 20101374** Muon Knight shift measurements in NiTi alloys for the study of pre-martensitic phenomena of thermoelastic martensitic transformation
Mototsugu Mihara, Univ. Osaka
Refused, 0 days GPS
- 20101451** Photo carrier induced effects on the magnetic state of $\text{La}(2-x)\text{Sr}(x)\text{CuO}_4$ at low doping ($x \leq 0.02$)
Andreas Suter, Paul Scherrer Institut
Approved, 2 days Dolly
- 20101379** Novel magnetic phenomena in variants of the kagome lattice
Peter J Baker, Rutherford Appleton Lab.
Approved, 3 days GPS Dolly
- 20101380** Field-induced magnetic phases in the triangular-lattice quantum spin liquid $\kappa\text{-}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days LTF
- 20101385** Investigation of superconducting fluctuations by μ SR
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 6 days LEM
- 20101452** Investigation of superconducting fluctuations by μ SR
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 3 days GPS
- 20101388** Mutual influence between a superconducting thin film and (superpara-)magnetic nano islands
Maarten Trekels, Katholieke Univ. Leuven
Approved, 3 days LEM

BVRA-2011 list of PSI μ SR experiments

- 20101390** Muonium formation yield in SiO₂ thin films
Aldo Antognini, ETH Zuerich
Approved, 4 days LEM
- 20101393** Spin State Ordering and Phase Transition of SrFeO_{2.75}
Qiang Liu, CNRS, Pessac
Approved, 1 days Dolly
- 20101408** Muon spin relaxation study of a holmium polyoxometalate molecular magnet with potential as a magnetic qubit
Francis L Pratt, Rutherford Appleton Lab.
Approved, 2 days LTF
- 20101409** The effect of disorder on T_n in a Mott insulator
Elias Lahoud, The Israel Inst. of Technology - Technion
Approved, 2 days Dolly
- 20101503** Measurement of the Magnetic Properties of Single Molecule Magnets Thin Films
Zaher Salman, Paul Scherrer Institut
Approved, 2 days Dolly
- 20101412** Spin glass behavior in the quasi-one dimensional quantum S=1/2 antiferromagnet BaCu(Si_{0.5}Ge_{0.5})₂O₇
Matthias Carsten Thede, ETH Zuerich
Approved, 2 days LTF
- 20101502** Spin glass behavior in the quasi-one dimensional quantum S=1/2 antiferromagnet BaCu(Si_{0.5}Ge_{0.5})₂O₇
Matthias Carsten Thede, ETH Zuerich
Approved, 2 days GPS
- 20101414** Magnetic and Superconducting Properties of Electron-Doped La_{2-x}Ce_xCuO₄ Bulk Samples
Gwendolyne Pascua, Paul Scherrer Institut
Approved, 4 days Dolly
- 20101417** Low-energy μ SR studies of Skyrmions in MnSi, FeGe, and other B-20 systems
Yasutomo J Uemura, Columbia Univ.
Approved, 4 days LEM
- 20101418** High-pressure muon spin relaxation study for (BEDT-TTF)-based organic antiferromagnets
Kazuhiko Satoh, Saitama Univ.
Approved, 4 days GPD
- 20101421** Superconductivity and weak ferromagnetism in Y₉Co₇
Jacob Larsen, Risoe National Lab.
Refused, 0 days GPS
- 20101505** Superconductivity and weak ferromagnetism in Y₉Co₇
Jacob Larsen, Risoe National Lab.
Refused, 0 days LTF
- 20101422** Emergent magnetic order in new strongly correlated 3d and 4f electron systems
Johannes Spehling, Technische Univ. Dresden
Approved, 3 days GPS Dolly
- 20101479** Emergent magnetic order in new strongly correlated 3d and 4f electron systems
Johannes Spehling, Technische Univ. Dresden
Refused, 0 days LTF
- 20101424** Magnetic order in YBa₂Cu₃O₇/LaMnO₃ heterostructures
Christian Bernhard, Univ. Fribourg
Approved, 4 days LEM
- 20101425** Study of superconductivity vs. FeAs plane distance in iron pnictides with perovskite-type oxide blocking layers by μ SR spectroscopy
Gianrico Lamura, Consiglio Nazionale delle Ricerche/CNR-SPIN
Refused, 0 days GPS
- 20101426** Phase transition and spin dynamics in the geometrically frustrated magnet on a pyrochlore lattice Nd₂Sn₂O₇
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 2 days LTF
- 20101476** Phase transition and spin dynamics in the geometrically frustrated magnet on a pyrochlore lattice Nd₂Sn₂O₇
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 1 days GPS

BVRA-2011 list of PSI μ SR experiments

- 20101430** Manganese: a poison for LaFeAsO_{1-x}F_x superconductors
Pietro Carretta, Univ. degli Studi di Pavia
Approved, 3 days GPS
- 20101431** Quantum entanglement in Cr₇Ni-based molecular nanomagnets : a MuSR study
Sabareesh KP Velu, Facolta di Farmacia
Approved, 3 days LTF
- 20101433** Quantum entanglement in Cr₇Ni-based molecular nanomagnets : a MuSR study
Sabareesh KP Velu, Facolta di Farmacia
Approved, 3 days GPS
- 20101432** MuSR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar-Extension
Kalaivani Thangavel, Univ. di Milano
Approved, 2 days GPS
- 20101434** MuSR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar-Extension
Kalaivani Thangavel, Univ. di Milano
Approved, 2 days LTF
- 20101435** Magnetic order in La₄Ni₃O₈, a 2D square Ni oxide isoelectronic with the cuprates.
Roberto De Renzi, Univ. Parma
Approved, 2 days GPS
- 20101436** Studies of the origin of anomalous losses in niobium superconducting RF cavities
Alexander Romanenko, Fermilab
Refused, 0 days LEM
- 20101437** Angular dependence of the zero-field muon-spin depolarization in La_{2-x}Sr_xCuO₄
Bastian M. Wojek, Univ. Zuerich
Approved, 2 days GPS Dolly
- 20101438** Determination of the magnetic penetration depth of Ni overdoped BaFe₂As₂ by means of low energy and bulk muSR
Nikola A Egetenmeyer, Paul Scherrer Institut
Approved, 4 days LEM
- 20101515** Determination of the magnetic penetration depth of Ni overdoped BaFe₂As₂ by means of low energy and bulk muSR
Nikola A Egetenmeyer, Paul Scherrer Institut
Approved, 1 days GPS
- 20101440** Interplay of itinerant and localized magnetism in RECoAsO samples under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 7 days GPD
- 20101497** Interplay of itinerant and localized magnetism in RECoAsO samples under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 2 days GPS Dolly
- 20101442** Pressure effect studies on Pr Neel order in YPr₁₂₄ system.
Alexander Maisuradze, Paul Scherrer Institut
Approved, 5 days GPD
- 20101510** Pressure effect studies on Pr Neel order in YPr₁₂₄ system.
Alexander Maisuradze, Paul Scherrer Institut
Approved, 1 days GPS Dolly
- 20101498** Rare-earth magnetic transition in parental REFeAsO under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 2 days Dolly
- 20101445** Rates of Molecular Transfer Across Interfacial Layers Using μ SR
Upali A Jayasooriya, Univ. of East Anglia
Refused, 0 days GPD
- 20101449** Temperature-dependent magnetic and superconducting properties of La_(1.88)Sr_(0.12)CuO₍₄₎.
Jacob Larsen, Risoe National Lab.
Approved, 2 days GPS
- 20101450** Study of the Coexistence and Competition of Antiferromagnetism and Superconductivity in Ba(Fe_{1-x}Cox)₂As₂
Christof Niedermayer, Paul Scherrer Institut
Approved, 3 days GPS

BVRA-2011 list of PSI μ SR experiments

- 20101453** Chemical and hydrostatic pressure effects on magnetism and superconductivity in the system $\text{EuFe}_2(\text{As}_{1-x}\text{P}_x)_2$ ($x=0.1, 0.16, 0.18, 0.2, 0.4, 0.8$).
Zurab Guguchia, Univ. Zuerich
Approved, 4 days GPS
- 20101516** Chemical and hydrostatic pressure effects on magnetism and superconductivity in the system $\text{EuFe}_2(\text{As}_{1-x}\text{P}_x)_2$ ($x=0.1, 0.16, 0.18, 0.2, 0.4, 0.8$).
Zurab Guguchia, Univ. Zuerich
Approved, 5 days GPD
- 20101454** Direct Magnetoelectric Effect in Ferromagnet/Dielectric Heterostructures
Sarah R Dunsiger, Techn. Univ. Muenchen
Refused, 0 days LEM
- 20101457** Characterizing the magnetic phase underlying the enhanced Curie temperature in EuO_{1-x}
Peter J Baker, Rutherford Appleton Lab.
Approved, 3 days LEM
- 20101458** Non-dipolar order in $\text{PrT}_2\text{Al}_2\text{O}(T=\text{Ti}, \text{V}, \text{Cr})$ with cubic Γ_3 ground state
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 2 days LTF
- 20101461** Non-dipolar order in $\text{PrT}_2\text{Al}_2\text{O}(T=\text{Ti}, \text{V}, \text{Cr})$ with cubic Γ_3 ground state
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 2 days GPS
- 20101459** Study of the superconducting and magnetic properties of iron selenide $\text{K}_{1-x}\text{Fe}_2\text{Se}_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 4 days GPS
- 20101518** Study of the superconducting and magnetic properties of iron selenide $\text{K}_{1-x}\text{Fe}_2\text{Se}_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 4 days Dolly
- 20101519** Study of the superconducting and magnetic properties of iron selenide $\text{K}_{1-x}\text{Fe}_2\text{Se}_2$
Zurab Shermadini, Paul Scherrer Institut
Approved, 8 days GPD
- 20101520** Study of the superconducting and magnetic properties of iron selenide $\text{K}_{1-x}\text{Fe}_2\text{Se}_2$
Zurab Shermadini, Paul Scherrer Institut
Refused, 0 days LEM
- 20101463** Exploring the magnetic phase of novel iron arsenide superconductors
Stephen J Blundell, Univ. of Oxford
Approved, 6 days GPS Dolly
- 20101464** Surface and bulk superconductivity in the topological superconductor CuBi_2Se_3
Amit Kanigel, The Israel Inst. of Technology - Technion
Approved, 1.5 days LEM
- 20101506** Surface and bulk superconductivity in the topological superconductor CuBi_2Se_3
Zaher Salman, Paul Scherrer Institut
Approved, 1 days GPS
- 20101470** Pressure effect on CeIn_2
Calin Rusu, Babes-Bolyai Univ.
Approved, 6 days GPD
- 20101471** Spin-Liquid to Luttinger-Liquid Transition in a Quantum Spin Ladder
Erik Wulf, ETH Zuerich
Approved, 5 days LTF
- 20101526** Spin-Liquid to Luttinger-Liquid Transition in a Quantum Spin Ladder
Matthias Carsten Thede, ETH Zuerich
Approved, 1 days GPS
- 20101473** Investigation of the coupling of magnetism and ferroelectricity in BiFeO_3
Alan J Drew, Queen Mary and Westfield College
Refused, 0 days GPS
- 20101509** Magnetic and superconducting properties of iron pnictides with perovskite oxide layers
Hubertus Luetkens, Paul Scherrer Institut
Approved, 4 days GPS
- 20101475** Anisotropy in the voltage dependence of magnetoresistance and on the relevancy of "strong coupling" in magnetic oxide based organic spin valves
Alan J Drew, Queen Mary and Westfield College
Approved, 6 days LEM

BVRA-2011 list of PSI μ SR experiments

- 20101477** Ferromagnetic order and p-wave superconductivity in the Ni-doped Fe-pnictide superconductor LiFeAs
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 2 days GPS
- 20101481** Electric Field Control Investigation of the Multiferroic Ni₃V₂O₈.
Sean R Giblin, Rutherford Appleton Lab.
Approved, 3 days Dolly
- 20101486** Magnetic Properties of Quasi Two Dimensional Triangular Antiferromagnets, [Pd(dmit)₂]₂ Salts.
Yasuyuki Ishii, RIKEN
Approved, 3 days GPS
- 20101532** Interplay of d- and 4f- magnetism in the pnictide system RTPO (R = Ce, La)(T = Co, Ru)
Johannes Spehling, Technische Univ. Dresden
Approved, 2 days LTF
- 20101534** Spin dynamics in spin triangles with S=1/2,5/2
Nicolas Yeche, Technische Univ. Dresden
Refused, 0 days LTF
- 20101491** Effect of non magnetic Zn impurities on magnetism and superconductivity in Ba(Fe_{1-x-y}CoxZny)₂As₂
Christian Bernhard, Univ. Fribourg
Approved, 3 days Dolly
- 20101490** Fragility of the 'ordered spin ice' ground state in Tb₂Sn₂O₇
Fabrice Bert, Univ. Paris-Sud
Approved, 5 days LTF
- 20101492** Fragility of the 'ordered spin ice' ground state in Tb₂Sn₂O₇
Fabrice Bert, Univ. Paris-Sud
Approved, 4 days GPS
- 20101493** Investigating the low dimensional magnetic properties of the Dioptase lattice
Joseph M Law, Max-Planck-Inst. Stuttgart
Approved, 2 days GPS
- 20101494** Study of re-entrant magnetic ordering in nearly optimal F-doped SmFe_{1-y}RuyAsO_{0.85F_{0.15}} as a function of isoelectronic Fe/Ru substitution.
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 3 days GPS
- 20101499** Low energy muons implanted in topological insulating films
Stephen J Blundell, Univ. of Oxford
Approved, 3 days LEM
- 20101500** Hydrogen impurity states in 3C-SiC thin films
Patrick G Soukiassian, Univ. Paris-Sud
Approved, 6 days LEM
- 20101504** Superconductivity induced by proximity effect in a topological insulator.
Andrea D Bianchi, Univ. de Montreal
Approved, 1.5 days LEM
- 20101507** Pressure effect on nearly optimal F-doped SmFe_{1-y}RuyAsO_{0.85F_{0.15}}
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 4 days GPD
- 20101508** Pressure effect on nearly optimal F-doped SmFe_{1-y}RuyAsO_{0.85F_{0.15}}
Samuele Sanna, Univ. degli Studi di Pavia
Refused, 0 days Dolly
- 20101517** Testing of materials and different constructions of the pressure cells for muon experiment.
Rustem Khasanov, Paul Scherrer Institut
Approved, 8 days GPD
- 20101527** Influence of P substitution on the superconducting and magnetic properties of SmFeAs_{1-x}P_xO
Rustem Khasanov, Paul Scherrer Institut
Approved, 2 days GPS
- 20101528** Influence of P substitution on the superconducting and magnetic properties of SmFeAs_{1-x}P_xO
Rustem Khasanov, Paul Scherrer Institut
Approved, 3 days Dolly

BVRA-2011 list of PSI μ SR experiments

- 20101529** Magnetite thin films with giant Verwey transition
Hubertus Luetkens, Paul Scherrer Institut
Approved, 3 days LEM
- 20101530** Counterion Binding Dynamics in Lamellar Phase Dispersions
Iain D McKenzie, Rutherford Appleton Lab.
Approved, 4 days ALC
- 20101531** Influence of magnetic impurities on the superconducting properties of FeSe_{1-x}
Rustem Khasanov, Paul Scherrer Institut
Approved, 5 days Dolly
- 20101533** High pressure effects on spin dynamics of bilayer manganites Pr(Sr_{1-x}Cax)₂Mn₂O₇
Guochu Deng, Paul Scherrer Institut
Approved, 6 days GPD
- 20101535** High pressure effects on spin dynamics of bilayer manganites Pr(Sr_{1-x}Cax)₂Mn₂O₇
Guochu Deng, Paul Scherrer Institut
Approved, 3 days Dolly
- 20101536** Pressure tuning of magnetic couplings in the frustrated diamond chain compound Cu₃(CO₃)₂(OH)₂
Andrea Prodi, Univ. Copenhagen
Approved, 5 days GPD

Continuations

- 20101367** The relaxation mechanism of shallow acceptor centers in semiconductors
Tair Mamedov, Joint Inst. for Nuclear Research
Approved, 10 days GPD
- 20101375** Ferromagnetic hollandite, Rb₂Cr₈O₁₆
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 3 days GPS Dolly
- 20101376** Magnetic nature of a novel compound, tetrahedrally coordinated LiFeO₂
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 2 days Dolly
- 20101377** Photo carrier induced effects on the magnetic state of La(2-x)Sr(x)CuO₄ at low doping (x ≤ 0.02)
Andreas Suter, Paul Scherrer Institut
Approved, 6 days LEM
- 20101383** Low-energy μ SR study of the origin of room-temperature ferromagnetism of undoped ZnO
Eberhard J Goering, Max-Planck-Inst. Stuttgart
Refused, 0 days LEM
- 20101384** Muonium in widegap oxides
Rui C Vilao, Univ. of Coimbra
Approved, 3 days GPS
- 20101386** Investigation of Muonium States in Insulating KTaO₃ and BaTiO₃
Zaher Salman, Paul Scherrer Institut
Approved, 2 days GPS
- 20101387** Interrelationship between AF order and interlayer distance in LiCoO₂ epitaxial film
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 4 days LEM
- 20101391** μ SR study of YbCu_{5-x}Aux around the quantum critical point
Pietro Carretta, Univ. degli Studi di Pavia
Refused, 0 days LTF
- 20101407** Investigation of proximity effects in LSCO bi- and trilayers
Elvezio Morenzoni, Paul Scherrer Institut
Approved, 5 days LEM
- 20101411** Measurement of the Magnetic Properties of Single Molecule Magnets Thin Films
Zaher Salman, Paul Scherrer Institut
Approved, 5 days LEM
- 20101413** Magnetic and Superconducting Properties of Electron-Doped La_{2-x}CexCuO₄ Bulk Samples
Gwendolyne Pascua, Paul Scherrer Institut
Approved, 2 days GPS

BVRA-2011 list of PSI μ SR experiments

- 20101415** MuSR investigation of the pressure induced superconducting state in CeRhSi₃
Nikola A Egetenmeyer, Paul Scherrer Institut
Approved, 5 days GPD
- 20101419** Absolute Value of the the Magnetic Penetration Depth and Field Profile in the Meissner State of Exotic Superconductors
Robert F Kiefl, Univ. British Columbia
Approved, 7 days LEM
- 20101420** Low Energy μ SR of cuprate thin-films: investigation of intrinsic superconductivity of T' structure
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Approved, 4 days LEM
- 20101423** Development of inhomogeneous ferromagnetism with substitution in Ni₂V

Peter J Baker, Rutherford Appleton Lab.
Approved, 3 days Dolly
- 20101427** Spin Glass Behavior of very Dilute Iron Nano-Clusters in Silver Films
Jochen Litterst, Techn. Univ. Braunschweig
Refused, 0 days LEM
- 20101428** 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
- 20101429** Interaction of muonium states with photo induced charge carriers
Thomas Prokscha, Paul Scherrer Institut
Approved, 5 days LEM
- 20101432** MuSR study of spin dynamics in Superparamagnetic Fe₃O₄ Nanoparticles coated with Rhamnose Sugar-Extension
Kalaivani Thangavel, Univ. di Milano
Approved, 2 days GPS
- 20101439** μ SR investigation of the suppression of magnetic ordering in LaFe_{1-y}Ru_yAsO by isoelectronic Ru substitution
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 3 days GPS Dolly
- 20101441** Ferromagnetism in dilute magnetic semiconductors, digital alloys and heterostructures: Manipulation of magnetic properties by proximity effects
Dmitry Eshchenko, Inst. for Nuclear Research RAS
Approved, 3 days LEM
- 20101443** Rare-earth magnetic transition in parental REFeAsO under applied hydrostatic pressure
Giacomo Prando, Univ. degli Studi di Pavia
Approved, 6 days GPD
- 20101444** Rates of Molecular Transfer Across Interfacial Layers Using μ SR
Upali A Jayasooriya, Univ. of East Anglia
Approved, 6 days ALC
- 20101446** Superconducting Properties of the Iron-Based Superconductor FeSe_{1-x}Te_x (x=0.5-0.7) with/without Vacuum Annealing
Tadashi Adachi, Univ. Tohoku
Approved, 3 days GPS
- 20101455** Origin of static local field at muon site in DyB₆ well above ordering temperature
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 2 days GPS
- 20101456** μ SR study of triangular magnets
Alain Yaouanc, CEA, Grenoble
Approved, 2 days LTF
- 20101460** How do spin fluctuations vary around the [111] partial magnetization plateau of Dy₂Ti₂O₇
Sean R Giblin, Rutherford Appleton Lab.
Approved, 3 days LTF
- 20101465** Probing photo-induced effects in (Ga,Mn)As and (In,Mn)As using low energy muons
Sarah R Dunsiger, Techn. Univ. Muenchen
Approved, 5 days LEM

BVRA-2011 list of PSI μ SR experiments

- 20101466** Universality of the Inhomogeneous Superconducting State in the Single-Layer Bi-2201 High-Tc Cuprates
Tadashi Adachi, Univ. Tohoku
Approved, 2 days GPS
- 20101468** Molecular Dynamics of Calamitic Liquid Crystals
Iain D McKenzie, Rutherford Appleton Lab.
Refused, 0 days ALC
- 20101469** Paramagnetic Muonium as an Electron Spin Detector in Semiconductor Heterostructures
Sarah R Dunsiger, Techn. Univ. Muenchen
Approved, 5 days LEM
- 20101472** Measurement of the spin dynamics and frustration effects in molecular triangles
Zaher Salman, Paul Scherrer Institut
Approved, 2 days Dolly
- 20101474** Magnetic and superconducting properties of iron pnictides with perovskite oxide layers
Hubertus Luetkens, Paul Scherrer Institut
Approved, 6 days GPD
- 20101478** Study of the Giant Proximity Effect and Critical Opalescence in Magnetic Materials
Silvia Ramos, Diamond Light Source Ltd
Approved, 5 days LEM
- 20101480** Interplay between unconventional superconductivity and magnetism in CeIrSi₃ under high pressure
Wataru Higemoto, Japan Atomic Energy Agency
Approved, 4 days GPD
- 20101482** Magnetic Properties of Quasi Two Dimensional Triangular Antiferromagnets, [Pd(dmit)₂]₂ Salts.
Yasuyuki Ishii, RIKEN
Approved, 3 days LTF
- 20101483** Interplay of d- and 4f- magnetism in the pnictide system RTPO (R = Ce, La)(T = Co,Ru)
Johannes Spehling, Technische Univ. Dresden
Approved, 2 days GPS
- 20101484** Low-energy muon spin rotation study of magnetism in perovskite nickelate artificial superlattices
Alexander V Boris, Max-Planck-Institut fuer Festkoerperforschung, Stuttgart
Approved, 6 days LEM
- 20101485** Magnetic properties of orthorhombic TbMnO₃ and LiMnO₃ thin films
Christof W Schneider, Paul Scherrer Institut
Approved, 4 days LEM
- 20101487** Measurement of the Photo-Induced Magnetic Effects in Cobalt-Dioxelene Complexes
Matteo Mannini, Univ. Firenze
Approved, 3 days LEM
- 20101488** Spin dynamics in spin triangles with S=1/2,5/2
Til Dellmann, TU Dresden
Approved, 3 days Dolly
- 20101489** Effect of non magnetic Zn impurities on magnetism and superconductivity in Ba(Fe_{1-x-y}CoxZny)₂As₂
Christian Bernhard, Univ. Fribourg
Approved, 2 days GPS
- 20101496** Effect of Dimensionality on the Spin Dynamics of Geometrically Frustrated Magnetic System
Sarah R Dunsiger, Techn. Univ. Muenchen
Approved, 2 days LEM
- 20101511** Superconducting Properties of the Iron Pnictide RbFe₂As₂ under pressure
Zurab Shermadini, Paul Scherrer Institut
Approved, 6 days GPD