

PSI, Villigen
February 8, 2017

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 48 AT PSI**

February 6 – 8, 2017

present: Dr. K. Clausen (Chairman)
Prof. B. Filippone
Prof. Dr. K. Kirch
Dr. J. Grillenberger
Prof. Dr. E. Morenzoni
Dr. S. Ritt (Secretary)

excused: Prof. C. Bernhard
Prof. Dr. J. Mesot
Prof. Dr. R. Horisberger
Prof. Dr. L. Rivkin
Dr. M. Seidel

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

- 20161066 Database preparation for the chemical and tension status of the steels in pre-stressed concretes of aged architectures to be examined by cosmic-ray muon spin rotation
Eiko Torikai, Univ. of Yamanashi
Approved, 3 days GPD
- 20161914 Database preparation for the chemical status of the steels in reinforced concretes of aged architectures to be examined by cosmic-ray muon spin rotation
Eiko Torikai, Univ. of Yamanashi
Approved, 2 days Dolly
- 20161075 Vortex Lattice in Thin Film, Optimally Doped $\text{YBa}(2)\text{Cu}(3)\text{O}(7-\delta)$
Andreas Suter, Paul Scherrer Institut
Approved, 4 days LEM
- 20161695 Dynamics in DOPC: muon hyperfine coupling constants for an 18:1 delta-9 cis chain
Nigel J Clayden, Univ. of East Anglia
Approved, 2 days GPD
- 20161729 Tuning Magnetic Phases Close to the Kitaev Point
Gediminas Simutis, Paul Scherrer Institut
Approved, 6 days GPD
- 20161852 Tuning Magnetic Phases Close to the Kitaev Point
Gediminas Simutis, Paul Scherrer Institut
Approved, 1 days GPS
- 20161730 MuSR study of $\text{Sr}_2\text{CuTe}_{1-x}\text{W}_x\text{O}_6$
Jochen Litterst, Techn. Univ. Braunschweig
Approved, 4 days Dolly
- 20161741 Critical behaviour at the quantum critical points of a molecular exchange-coupled spin-dimer system
Tom Lancaster, Univ. of Durham
Approved, 6 days HAL-9500
- 20161742 Pressure dependent quantum critical behavior of the heavy fermion compound $\text{CeCoGe}_{2.2}\text{Si}_{0.8}$
Julio Antonio Larrea Jimenez, Centro Brasileiro de Pesquisas Fisicas
Refused, 0 days GPD

- 20161743 The effect of controlled amounts of disorder on the local magnetism in a skyrmion lattice material
Tom Lancaster, Univ. of Durham
Refused, 0 days GPS
- 20161745 Search for time-reversal symmetry breaking in the non-centrosymmetric superconductors CaPtAs and BaPt_{0.85}As_{0.9}
Tian Shang, Paul Scherrer Institut
Approved, 3 days LTF
- 20161749 Magnetic order parameter, magnetic dynamics and magnetic moment of Ir in Sr₂IrO₆ double perovskites.
Maria A Laguna-Marco, Inst. de Ciencia de Materiales de Aragon, Univ de Zaragoza - CSIC
Approved, 2 days GPS
- 20161750 Magnetic skyrmion phase in Co-Zn-Mn thin film alloys
Tom Lancaster, Univ. of Durham
Approved, 3 days LEM
- 20161755 Magnetic order and spin dynamics in Ho₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days GPS
- 20161757 Magnetic ground states in S=1 molecular complexes
Tom Lancaster, Univ. of Durham
Approved, 2 days LTF
- 20161876 Magnetic ground states in S=1 molecular complexes
Tom Lancaster, Univ. of Durham
Approved, 2 days GPS
- 20161760 NiCl₂(1-x)-Br_xSC(NH₂)₂: the critical bond disorder case
Alexandra Mannig, ETH Zuerich
Approved, 4 days LTF
- 20161845 NiCl₂(1-x)-Br_xSC(NH₂)₂: the critical bond disorder case
Alexandra Mannig, ETH Zuerich
Approved, 3 days GPS
- 20161761 The Dynamics of Soliton Lattices in YBaCuFeO₅ Crystal
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days HAL-9500
- 20161854 The Dynamics of Soliton Lattices in YBaCuFeO₅ Crystal
Lieh-Jeng Chang, National Chen Kung Univ.
Approved, 1 days GPS
- 20161768 Ultra-high sensitivity probing of substrate interaction induced magnetism in hydrogen functionalized graphene
Steven P Bennett, The United States Naval Research Laboratory
Approved, 5 days LEM

- 20161769 Probing the spin dynamics in an artificial geometrically frustrated lattice via muon spin relaxation
Xiaoran Liu, University of Arkansas
Approved, 4 days LEM
- 20161772 Superconducting phase of V-doped ZrB₂ and HfB₂ studied via transverse-field μSR
Toni Shiroka, ETH Zuerich
Approved, 2 days GPS
- 20161899 Superconducting phase of V-doped ZrB₂ and HfB₂ studied via transverse-field μSR
Toni Shiroka, ETH Zuerich
Approved, 2 days LTF
- 20161774 Low-energy muSR investigation of the magnetic skyrmions in SrIrO₃/SrRuO₃ heterostructure
Zhiming Wang, Paul Scherrer Institut
Approved, 4 days LEM
- 20161912 Low-energy muSR investigation of the magnetic skyrmions in SrIrO₃/SrRuO₃ heterostructure
Zhiming Wang, Paul Scherrer Institut
Approved, 1 days Dolly
- 20161775 Investigating the pressure-enhanced magnetism in spin-ladder superconductor BaFe₂S₃
Benjamin A Frandsen, Columbia Univ.
Approved, 6 days GPD
- 20161778 Probing the electronic phase diagram of Sr₂Ir_{1-x}Pt_xO₄
Rajib Sarkar, Technische Univ. Dresden
Refused, 0 days Dolly
- 20161790 Novel spin textures in magnetically doped Weyl semimetals
Jonas A Krieger, ETH Zuerich
Approved, 6 days Dolly
- 20161791 Investigation of phase separation and charge ordering in La_{0.825}Sr_{0.125}MnO₃
Rinat F Mamin, Zavoisky Physical-Technical Inst. of Russian Academy of Sciences
Refused, 0 days Dolly
- 20161793 Static and dynamic molecular magnetism in the natural mineral boleite
Dmytro Inosov, Technische Univ. Dresden
Approved, 2 days Dolly
- 20161794 Magnetism of S=1/2 Square Cupolas in Ba(TiO)Cu₄(PO₄)₄
Gediminas Simutis, Paul Scherrer Institut
Approved, 2 days GPS

- 20161822 Magnetism of S=1/2 Square Cupolas in Ba(TiO)Cu₄(PO₄)₄
Gediminas Simutis, Paul Scherrer Institut
Approved, 5 days GPD
- 20161795 Magnetic structures and textures in the temperature-field phase diagram of MnSi
Pierre Dalmas de Reotier, CEA, Grenoble
Approved, 3 days GPS
- 20161797 Controlling magnetic order in a quasi-1D compound using spin density and pressure
Martin Mansson, Royal Inst. of Technology (KTH)
Approved, 6 days GPD
- 20161944 Controlling magnetic order in a quasi-1D compound using spin density and pressure
Martin Mansson, Royal Inst. of Technology (KTH)
Refused, 0 days LTF
- 20161943 Controlling magnetic order in a quasi-1D compound using spin density and pressure
Martin Mansson, Royal Inst. of Technology (KTH)
Approved, 3 days Dolly
- 20161799 Magnetic Ordering and Spin Dynamics driven by p-orbital in Alkali Metal Superoxide, RbO₂ and NaO₂
Fahmi Astuti, Hokkaido Univ.
Approved, 2 days Dolly
- 20161916 Magnetic Ordering and Spin Dynamics driven by p-orbital in Alkali Metal Superoxide, RbO₂ and NaO₂
Fahmi Astuti, Hokkaido Univ.
Refused, 0 days GPS
- 20161800 Investigation of magnetic orders on a quantum phase transition in (Y_{1-x}Cax)₂Ir₂O₇
Retno Asih, RIKEN
Refused, 0 days Dolly
- 20161924 Investigation of magnetic orders on a quantum phase transition in (Y_{1-x}Cax)₂Ir₂O₇
Retno Asih, RIKEN
Refused, 0 days GPS
- 20161801 Magnetic Interaction and Spin Tomonaga Luttinger Liquid in the p-Orbital Antiferromagnet, Cs_{1-x}RbxO₂ and Cs_{1-x}KxO₂ (x=0.05 ; 0.1)
Fahmi Astuti, Hokkaido Univ.
iv.
Refused, 0 days GPS
- 20161917 Magnetic Interaction and Spin Tomonaga Luttinger Liquid in the p-Orbital Antiferromagnet, Cs_{1-x}RbxO₂ and Cs_{1-x}KxO₂ (x=0.05 ; 0.1)
Fahmi Astuti, Hokkaido Univ.
Refused, 0 days Dolly

- 20161805 Magnetic relaxation of surface-grafted Yb(trensal-thiophene) qubits
Stergios Piligkos, Univ. Copenhagen
Approved, 3 days LEM
- 20161812 Magnetic relaxation of surface-grafted Yb(trensal-thiophene) qubits
Stergios Piligkos, Univ. Copenhagen
Approved, 2 days GPS
- 20161806 μ SR study of the non-centrosymmetric superconductor LaPtGe
Tian Shang, Paul Scherrer Institut
Approved, 3 days LTF
- 20161807 μ SR study of the non-centrosymmetric superconductor LaPtGe
Tian Shang, Paul Scherrer Institut
Approved, 1 days GPS
- 20161818 Investigation of a New Heisenberg-Kitaev Quantum Spin Liquid Candidate
Bella Lake, Helmholtz Zentrum Berlin fuer Materialien und Energie
Approved, 3 days Dolly
- 20161820 Magnetic order in the δ -MnAs phase
Luana Caron, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
Approved, 2 days GPS
- 20161821 Searching for time reversal symmetry breaking in the heavy fermion
superconductor CeCu₂Si₂
Michael Smidman, Zhejiang Univ.
Refused, 0 days LTF
- 20161824 muSR measurements on frustrated Sm based pyrochlores
Viviane Pecanha Antonio, Juelich Center for Neutron Science
Approved, 8 days HAL-9500
- 20161825 Using strain to tune the ground state of alpha-RuCl₃
Gediminas Simutis, Paul Scherrer Institut
Refused, 0 days Dolly
- 20161826 Light induced spin dynamics in bulk iron based spin crossover systems
Pietro Carretta, Univ. degli Studi di Pavia
Approved, 4 days GPS
- 20161830 Muon-spin rotation study of stoichiometric single crystalline CaKFe₄As₄
Rustem Khasanov, Paul Scherrer Institut
Refused, 0 days GPS
- 20161831 Field effects and Rashba-type superconducting phase study in multiferroic
Ge0.87Mn0.13Te
Juraj Krempasky, Paul Scherrer Institut
Approved, 3 days LEM
- 20161832 Anisotropic dynamics near the surface of a polymer
Francis L Pratt, Rutherford Appleton Lab.
Refused, 0 days LEM

- 20161836 Effective interlayer interactions in two vanadium based S=1/2 kagome compounds
Jean-Christophe Orain, Paul Scherrer Institut
Approved, 3 days LTF
- 20161838 Effective interlayer interactions in two vanadium based S=1/2 kagome compounds
Jean-Christophe Orain, Paul Scherrer Institut
Approved, 3 days GPS
- 20161837 Pressure induced change from the second to the first order magnetic transition in FeSe
Rustem Khasanov, Paul Scherrer Institut
Approved, 8 days GPD
- 20161839 Study of magnetic phase in LaVO₃ thin films under epitaxial strain
Hugo Meley, Univ. Geneve
Approved, 4 days LEM
- 20161846 MuSR study on the hidden order in Irridates
Lei Shu, Fudan Univ.
Approved, 3 days GPS
- 20161847 Detailed investigation of magnetic, structural, and electronic phase separation in the metal-insulator transition of V₂O₃
Benjamin A Frandsen, Columbia Univ.
Approved, 4 days LEM
- 20161853 MuSR Study of the Superconducting Paring Symmetry in the Underdoped Single Crystals of Electron-Doped T'-Cuprates
Tadashi Adachi, Sophia Univ.
Refused, 0 days GPS
- 20161860 MuSR Study of the Superconducting Paring Symmetry in the Underdoped Single Crystals of Electron-Doped T'-Cuprates
Tadashi Adachi, Sophia Univ.
Refused, 0 days Dolly
- 20161856 Exploring the Magnetic Dynamics and Long Range Ordering in (CP*)-RE-(COT)
Zhengqiang Yang, Queen Mary, Univ. of London
Refused, 0 days GPS
- 20161892 Exploring the Magnetic Dynamics and Long Range Ordering in (CP*)-RE-(COT)
Zhengqiang Yang, Queen Mary, Univ. of London
Refused, 0 days LTF
- 20161857 Magnetic Characterization of Materials for Energy Nanonics
Martin Mansson, Royal Inst. of Technology (KTH)
Approved, 4 days Dolly

- 20161858 Comparision of Pairing Symmetry in Topological Superconductor Sr_0.1Bi_2Se_3 and topological crystalline superconductor Sn_0.5In_0.5Te Satyabrata Patnaik, Jawaharlal Nehru Univ.
Approved, 3 days LTF
- 20161870 Comparision of Pairing Symmetry in Topological Superconductor Sr_0.1Bi_2Se_3 and topological crystalline superconductor Sn_0.5In_0.5Te Satyabrata Patnaik, Jawaharlal Nehru Univ.
Approved, 3 days GPS
- 20161859 Magnetic and superconducting properties of FeSe_{1-x}S_x (x=0.2) in comparison to other iron-chalcogenides Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days GPS
- 20161862 Magnetic and superconducting properties of FeSe_{1-x}S_x (x=0.2) in comparison to other iron-chalcogenides Stefan P. Holenstein, Univ. Zuerich
Approved, 8 days GPD
- 20161863 Search for spin liquid ground state in the disordered double perovskite BaTi0.5Mn0.5O₃ Rajib Sarkar, Technische Univ. Dresden
Approved, 2 days LTF
- 20161878 Search for spin liquid ground state in the disordered double perovskite BaTi0.5Mn0.5O₃ Rajib Sarkar, Technische Univ. Dresden
Approved, 2 days GPS
- 20161865 Studies on zero-field magnetism of layered organic antiferromagnet situated near superconducting phase by muon spin rotation Hiromi Taniguchi, Saitama Univ.
Refused, 0 days GPS
- 20161901 Studies on zero-field magnetism of layered organic antiferromagnet situated near superconducting phase by muon spin rotation Hiromi Taniguchi, Saitama Univ.
Approved, 4 days Dolly
- 20161867 μ SR investigation on the triangular lattice iridate Ba₃LuIr₂O₉ Tusharkanti Dey, Univ. Augsburg
Approved, 3 days LTF
- 20161882 μ SR investigation on the triangular lattice iridate Ba₃LuIr₂O₉ Tusharkanti Dey, Univ. Augsburg
Approved, 2 days GPS
- 20161868 Magnetic ground state of linalite as studied by muSR Stefan Suellow, Techn. Univ. Braunschweig
Refused, 0 days GPS

- 20161869 Pressure dependent μ SR study of the frustrated hyper-honeycomb magnet beta-Li₂IrO₃
Mayukh Majumder, Univ. Augsburg
Approved, 6 days GPD
- 20161873 Investigations of Hyperfine Interactions on Muons Attached to Synthetic DNA Model Molecules
Isao Watanabe, RIKEN
Approved, 2 days Dolly
- 20161902 Investigations of Hyperfine Interactions on Muons Attached to Synthetic DNA Model Molecules
Isao Watanabe, RIKEN
Refused, 0 days GPS
- 20161879 Muon Spin Relaxation on Sr₂RuO₄ Under Uniaxial Strain
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days Dolly
- 20161887 Probing stray field distributions in silver arising from a patterned ferromagnetic film
Ian Terry, Univ. of Durham
Approved, 3 days LEM
- 20161888 Controlling the magnetism in the spinel Co₂TiO₄ through doping and substitution
Stephen J Blundell, Univ. of Oxford
Approved, 2 days GPS
- 20161890 The Interplay of Magnetic Order and Spin Dynamics with the Fermi surface topology and Magnetotransport in the Magnetic Weyl Semimetals RPtBi
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 1 days GPS
- 20161950 The Interplay of Magnetic Order and Spin Dynamics with the Fermi surface topology and Magnetotransport in the Magnetic Weyl Semimetals RPtBi
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 6 days HAL-9500
- 20161893 Superconductivity in binary oxide
Jiabao Yi, Univ. of New South Wales
Approved, 4 days LEM
- 20161894 Muon spin relaxation measurement for Double perovskites Sr₂FeIrO₆, Sr₂ZrIrO₆, La₂FeIrO₆.
Kishor Chand Kharkwal, Jawaharlal Nehru Univ.
Refused, 0 days GPS
- 20161896 Studies on magnetism of charge cluster glass by muon spin relaxation method
Hiromi Taniguchi, Saitama Univ.
Refused, 0 days GPS

- 20161900 Studies on magnetism of charge cluster glass by muon spin relaxation method
Hiromi Taniguchi, Saitama Univ.
Refused, 0 days Dolly
- 20161897 Possibility of f-d exchange interactions with magnetic doping in Y₂Ir₂O₇
Harish Kumar, Jawaharlal Nehru Univ.
Refused, 0 days GPS
- 20161903 Superconducting Pairing Symmetry of Single-Crystal Organic Superconductor lambda-(BETS)₂GaCl₄ Studied by muSR
Dita P. Sari, RIKEN
Refused, 0 days HAL-9500
- 20161908 Magnetic Ordered State of Diluted Magnetic Semiconductor, Ge_{1-x}Mn_xTe
Isao Watanabe, RIKEN
Refused, 0 days Dolly
- 20161910 Magnetic Ordered State of Diluted Magnetic Semiconductor, Ge_{1-x}Mn_xTe
Isao Watanabe, RIKEN
Refused, 0 days GPS
- 20161911 MuSR study of the magnetic ordering in the S=1 linear chain compounds ANiCl₃:A =Cs, Rb, Tl, K.
Dirk Visser, Loughborough Univ.
Refused, 0 days GPS
- 20161915 MuSR study of the magnetic ordering in the S=1 linear chain compounds ANiCl₃:A =Cs, Rb, Tl, K.
Dirk Visser, Loughborough Univ.
Approved, 2 days Dolly
- 20161913 Investigation of the nematic phase in the 2-dimensional frustrated compound BaCdVO(PO₄)₂
Markos Skoulatos, Techn. Univ. Muenchen
Approved, 6 days HAL-9500
- 20161918 Quantum critical point beneath the superconducting dome in BaFe₂(As_{1-x}P_x)₂
Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days Dolly
- 20161919 High magnetic field study of the frustrated quantum magnet Cs₂CuCl₄
Stephen J Blundell, Univ. of Oxford
Approved, 3 days HAL-9500
- 20161920 Pressure evolution of the symmetry of the superconducting gaps of new-structure-type Fe-Based Superconductors: CaKFe₄As₄
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 6 days GPD

- 20161923 Probing the quantum phase transition in Mott-Hubbard systems BaCoS₂ and NiS₂ tuned by pressure
Zurab Guguchia, Columbia Univ.
Approved, 8 days GPD
- 20161925 Probing the quantum phase transition in Mott-Hubbard systems BaCoS₂ and NiS₂ tuned by pressure
Zurab Guguchia, Columbia Univ.
Approved, 1 days GPS
- 20161928 Magnetic behavior in BaGd_{2-x}EuxO₄
Julian A Munevar Cagigas, Paul Scherrer Institut
Refused, 0 days Dolly
- 20161931 Modification of superconductivity, magnetic order and electronic nematic order in Fe-based superconductors via in-plane uniaxial strain
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days Dolly
- 20161937 Bragg glass to vortex glass phase transition in superconducting vanadium
Camilla B Larsen, Univ. of Birmingham
Approved, 5 days Dolly
- 20161942 Bragg glass to vortex glass phase transition in superconducting vanadium
Camilla B Larsen, Univ. of Birmingham
Refused, 0 days Dolly
- 20161939 Quantum Critical Behavior in Ge-doped FeGa₃ single crystals
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 3 days Dolly
- 20161940 Proximity effects in topological insulator/superconductor heterostructures
Zaher Salman, Paul Scherrer Institut
Approved, 4 days LEM
- 20161941 Surface current states of Weyl semimetals
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20161956 Surface current states of Weyl semimetals
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 1 days GPS
- 20161945 Probing the microscopic superconducting properties of Weyl Semimetal Candidate MoTe_{1.8}S_{0.2}: Pressure dependent studies
Zurab Guguchia, Columbia Univ.
Approved, 5 days GPD

20161948 Probing the microscopic superconducting properties of Weyl Semimetal Candidate MoTe_{1.8}S_{0.2}: Pressure dependent studies
Zurab Guguchia, Columbia Univ.
Approved, 2 days Dolly

20161946 Search for surface magnetic ordering in the topological Kondo insulator SmB₆ nanoparticles.
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 3 days Dolly

20161947 Search for surface magnetic ordering in the topological Kondo insulator SmB₆ nanoparticles.
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Refused, 0 days GPS

2. Beam schedules

The 590 MeV ring accelerator is scheduled for 33 weeks of high intensity beam production from May 8 to December 22, 2017. A schedule has been worked out which satisfies all beam requests.

As usual, the beam schedules 2017 will be regularly updated and are displayed on the internet:

- <http://www.psi.ch/ltp/facilities> for the general schedule
- <http://www.psi.ch/lmu/beamtime-schedule> for μSR details

3. Varia

The next meeting BVR 49 is scheduled for February 12 - 14, 2018. The first day is reserved for detailed reviews as usual. The deadline for beam requests, new proposals and addenda is January 15, 2018. Users are requested to make electronic submissions of their documents.

The dates for the next meeting BVRA-2018 are not fixed yet.

Attachments

- PSI 590 MeV HE Program 2017 can be found on
http://www.psi.ch/ltp/FacilitiesEN/schedule_2017.pdf
- BV48 list of PSI HE experiments
- BVRA-2017 list of PSI μSR experiments
- the short minutes with recommendations of the scientific committee for particle physics experiments can be found on
<http://www.psi.ch/ltp/previous-users-meetings>

BV48 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2017

Last update: Feb 8th, 2017, S. Ritt <stefan.ritt@psi.ch>
http://www.psi.ch/ltp/FacilitiesEN/schedule_2017.pdf

		May					June					July					August					September					October					November					December				
		Week number					Availability																																		
		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	52						
PiM3	MuSR (GPS<F)																																								
PIE3	MuSR high field																																								
MuE1	MuSR (GPD)																																								
MuE4	MuSR (LEM)																																								
PIE1-1	MuSR (Dolly)																																								
	Muonium	5203.32730.001																																							
PIE1-2	R-16-01.1 muX	5203.32730.001																																							
	R-16-02.1 HyperMu	5201.32030.006																																							
	R-14-02.1 MuCool	5203.32730.001																																							
	2S-1S	5203.85763.010																																							
	Irradiation	5201.32004.802																																							
PIE3	R-99-03.2 MEG	5201.32030.001																																							
	R-12-03.1 Mu3E	5201.32030.002																																							
	R-16-02.1 HyperMu	5201.32030.006																																							
UCN	R-05-03.1 nEDM	Kirch																																							
PiM1	R-12-03.1 Mu3E	5203.85763.010	Schoening																																						
	R-12-01.2 MUSE	5203.85763.010	Gilman																																						
	Praktikum	5203.85763.010	Grab																																						
	Praktikum	5203.85763.010	Steinkamp																																						
	CMS Diamond Detectors	5203.85763.010	Hits																																						
	DC cluster counting	5203.85763.010	Renga																																						
	Micro Rwell	5203.85763.010	Bencivenni																																						
	Irradiation	5203.85763.010	Hajdes																																						
	Spin-rotator																																								
	Start [Monday]																																								
	End [Sunday]																																								
	8/5/17	15/5/17	22/5/17	29/5/17	5/6/17	12/6/17	19/6/17	26/6/17	3/7/17	10/7/17	17/7/17	24/7/17	31/7/17	7/8/17	14/8/17	21/8/17	28/8/17	4/9/17	11/9/17	18/9/17	25/9/17	1/10/17	8/10/17	15/10/17	22/10/17	29/10/17	5/11/17	12/11/17	19/11/17	26/11/17	3/12/17	10/12/17	17/12/17	24/12/17	31/12/17						
	14/5/17	21/5/17	28/5/17	4/6/17	11/6/17	18/6/17	25/6/17	2/7/17	9/7/17	16/7/17	23/7/17	30/7/17	6/8/17	13/8/17	20/8/17	27/8/17	3/9/17	10/9/17	17/9/17	24/9/17	1/10/17	8/10/17	15/10/17	22/10/17	29/10/17	5/11/17	12/11/17	19/11/17	26/11/17	3/12/17	10/12/17	17/12/17	24/12/17	31/12/17							

BV48 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2017

1. New Proposals

Proposal No.	Spokesmen	Email	Experiment	Beam request	Area	Referees

2. Progress Reports and Beam Requests

Proposal No.	Spokesmen	Email	Experiment	Beam request	Area	Referees
R-99-05.2	T. Mori A. Baldini	mori@icepp.s.u-tokyo.ac.jp baldini@pi.infn.it	Search for $\mu^+ \rightarrow e^+ \gamma$ (MEG II collaboration) Detector tests	27 weeks	$\pi E5$	approved
R-05-03.1	K.Kirch S. Roccia	klaus.kirch@psi.ch stephanie.roccia@csnsm.in2p3.fr	Measurement of the Neutron Electronic Dipole Moment nEDM	all available UCN beam time	UCN	approved
R-12-01.2	R. Gilman	rgilman@physics.rutgers.edu	Studiying the Proton "Radius" Puzzle with $\mu p-p$ Elastic Scattering (MUSE collaboration)	3 weeks + 12 weeks	$\pi M1$	conditionally approved
R-12-03.1	A. Schoening St. Ritt	andre.schoening@desy.de stefan.ritt@psi.ch	Search for the Decay $\mu \rightarrow eee$ (Mu3e collaboration)	4 weeks + 3 weeks tests	$\pi E5$ $\pi M1$	approved

BV48 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2017

R-14-02.1	A. Antognini	aldo@phys.ethz.ch	MuCool	4 weeks	$\pi E1-$ 1	approved
R-16-01.1	A. Knecht	a.knecht@psi.ch	Measurement of the charge radius of radium (muX)	2 weeks	$\pi E1-$ 2	approved
R-16-02.1	A. Antognini	aldo@phys.ethz.ch	Hyperfine Splitting in Muonic Hydrogen and Helium	2 weeks 2 weeks	$\pi E5$ $\pi E1-$ 1	approved
-	F. Wauters	fwauters@uni-mainz.de	2s-1s	2 weeks	$\pi E1-$ 2	approved
-	A. Knecht	a.knecht@psi.ch	Test of muonium production	2 weeks	$\pi E1-$ 1	approved

BVRA-2076 list of Continued μSR experiments

- 20161748 High-pressure μSR study of superconductivity and Eu²⁺-antiferromagnetism in Ca-substituted EuFe₂As₂
Lan M Tran, Inst. of Low Temperature and Structure Research of the Polish Academy of Sciences
Refused, 0 days GPD
- 20161753 The relations between doping, structure, and the super-exchange interaction; magnetic measurements on the Lanthanide series LnBa₂Cu₃O_y
Amit Keren, The Israel Inst. of Technology - Technion
Approved, 3 days GPS
- 20161762 Magnetic phases in the double perovskites La_{2-x}CaxCoIrO₆ (x=0.2,0.8) and La_{1.5}A_{0.5}CoMnO₆ (A=Ca,Sr,Ba)
Jochen Litterst, Techn. Univ. Braunschweig
Approved, 3 days GPS
- 20161765 Cycloidal, short range ordered cycloidal, and ferromagnetic phases in the lacunar spinels GaV₄S₈, GaV₄Se₈, and GaMo₄S₈
Jochen Litterst, Techn. Univ. Braunschweig
Refused, 0 days GPS
- 20161776 Proximity-Induced Antiferromagnetic Correlations in SmTiO₃/SrTiO₃/SmTiO₃ quantum well structures
Michael J Graf, Boston College
Approved, 4 days LEM
- 20161798 Probing of the low-temperature Nd ordering in the hole-doped pyrochlore iridates (Nd_{1-x}Cax)₂Ir₂O₇ by means of μSR study
Retno Asih, RIKEN
Approved, 3 days Dolly
- 20161927 Probing of the low-temperature Nd ordering in the hole-doped pyrochlore iridates (Nd_{1-x}Cax)₂Ir₂O₇ by means of μSR study
Retno Asih, RIKEN
Refused, 0 days GPS
- 20161802 Two-dimensional triangular lattice in cluster magnets, Li₂ScMo₃O₈ & Li₂InMo₃O₈, PART II
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 8 days HAL-9500
- 20161934 Two-dimensional triangular lattice in cluster magnets, Li₂ScMo₃O₈ & Li₂InMo₃O₈, PART II
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 1 days GPS
- 20161808 Antiferromagnetic ordering in multi-orbital molecular systems [Au(tmdt)₂] and [Cu(tmdt)₂]
Rina Takagi, RIKEN
Approved, 3 days Dolly

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- 20161809 Antiferromagnetic ordering in multi-orbital molecular systems [Au(tmdt)2] and [Cu(tmdt)2]
Rina Takagi, RIKEN
Refused, 0 days GPS
- 20161811 Re-investigation of the magnetic phase diagram of NaxCoO₂ using samples prepared by an electrochemical reaction: PART III
Yasmine Sassa, Univ. Uppsala
Approved, 3 days GPS
- 20161819 High field μ SR line-shape spectroscopy of the vortex lattice structure in BSCCO single crystals
Ariel Maniv, Nuclear Research Centre-Negev
Refused, 0 days HAL-9500
- 20161835 Measuring the Full Vortex Phase Diagram of a Layered Superconductor
Francis L Pratt, Rutherford Appleton Lab.
Approved, 8 days HAL-9500
- 20161840 Paramagnetic Meissner effect, Vortex Formation and Spin Triplets in Superconducting-Molecular Interfaces
Oscar Cespedes, Univ. of Leeds
Approved, 3 days LEM
- 20161841 Probing the spiral magnetic order in multiferroic YBaCuFeO₅ thin films via low-energy μ SR
Toni Shiroka, ETH Zuerich
Approved, 3 days LEM
- 20161842 A Search for the Vector Spin Chiral State in Rb₂Cu₂Mo₃O₁₂.
Nicole M Reynolds, Paul Scherrer Institut
Approved, 3 days LTF
- 20161871 A Search for the Vector Spin Chiral State in Rb₂Cu₂Mo₃O₁₂.
Nicole M Reynolds, Paul Scherrer Institut
Approved, 3 days GPS
- 20161844 Magnetism of the Rare-Earth Nickelates
Lukas Korosec, ETH Zuerich
Approved, 3 days GPS
- 20161848 Anomalous flux expulsion in superconductor/ferromagnet heterostructures
Machiel G Flokstra, Univ. of St. Andrews
Approved, 8 days LEM
- 20161850 Probing the Proximity Effect in Normal Metal Sr₂RuO₄/Superconductor YBa₂Cu₃O₇ Heterostructures
Angelo Di Bernardo, Univ. of Cambridge
Approved, 5 days LEM

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- 20161851 MuSR Study of the Chiral Superconductivity in the Honeycomb-Lattice Superconducting Single Crystals
Tadashi Adachi, Sophia Univ.
Refused, 0 days LTF
- 20161861 Strong interfacial magnetic fields in magnetoelectric/oxide bilayers.
Michael Fechner, Max Planck Inst. für Struktur und Dynamik der Materie
Approved, 6 days LEM
- 20161874 Relation between conductivity and molecular dynamics of surface and interface in polythiophene
Soshi Takeshita, High Energy Acc. Research Org. (KEK)
Refused, 0 days LEM
- 20161875 Investigating the Kasteleyn transition in a dipolar Ising triangular metamaterial
Naemi Leo, Paul Scherrer Institut
Refused, 0 days LEM
- 20161877 Relaxor ferromagnetic state in competition with spin glass behaviour
Stephen J Blundell, Univ. of Oxford
Approved, 3 days GPS
- 20161883 Imaging the internal field distribution of Dy₂Ti₂O₇
Stephen J Blundell, Univ. of Oxford
Approved, 4 days HAL-9500
- 20161886 The phase diagram and the order parameter symmetry of the time reversal symmetry breaking superconductor Ba_{1-x}K_xFe₂As₂
Dr. Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days GPS
- 20161891 Single crystal study of the layered honeycomb magnet alpha-RuCl₃ under mechanical deformation
Stephen J Blundell, Univ. of Oxford
Approved, 2 days GPS
- 20161898 Structure of a transverse magnetic field near the surface of type-II superconductors.
Vladimir Kozhevnikov, Tulsa Community College
Refused, 0 days LEM
- 20161926 Investigation of charge carrier profiles in GaAs-based quantum well structures by means of low-energy muSR
Thomas Prokscha, Paul Scherrer Institut
Approved, 5 days LEM
- 20161930 High-pressure μ SR study of an oxygen-free iron-based superconductor
Toni Shiroka, ETH Zuerich
Approved, 7 days GPD

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- 20161744 High-pressure μ SR study of an oxygen-free iron-based superconductor
Toni Shiroka, ETH Zuerich
Approved, 1 days GPS
- 20161932 Microscopic investigation of the magnetic field and pressure-induced quantum phase transition in CsFeCl₃
Zurab Shermadini, Paul Scherrer Institut
Approved, 8 days GPD
- 20161936 Microscopic investigation of the magnetic field and pressure-induced quantum phase transition in CsFeCl₃
Zurab Shermadini, Paul Scherrer Institut
Approved, 4 days Dolly
- 20161935 Microscopic investigation of the magnetic field and pressure-induced quantum phase transition in CsFeCl₃
Zurab Shermadini, Paul Scherrer Institut
Approved, 8 days HAL-9500
- 20161933 Magnetic order in high-T_c Cr_xSb_{2-x}Te₃ topological insulator thin films
Peter J Baker, Rutherford Appleton Lab.
Approved, 5 days LEM
- 20161938 The relation between nematicity, quasi-static magnetism and superconductivity in FeSe_{1-x}S_x single crystals
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days HAL-9500
- 20161949 The relation between nematicity, quasi-static magnetism and superconductivity in FeSe_{1-x}S_x single crystals
Vadim Grinenko, Technische Univ. Dresden
Approved, 3 days Dolly
- 20161951 Spin dynamics of integer-spin antiferromagnetic molecular rings investigated by MuSR
Manuel Mariani, Univ. di Ancona
Approved, 3 days GPS