

PSI, Villigen
February 12, 2015

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 47 AT PSI
February 8 – 10, 2016**

present: Prof. Dr. C. Bernhard
Dr. K. Clausen (Chairman)
Prof. B. Filippone
Prof. Dr. K. Kirch
Prof. Dr. E. Morenzoni
Dr. S. Ritt (Secretary)
Dr. M. Seidel

excused: Prof. Dr. J. Mesot
Prof. Dr. R. Horisberger
Prof. 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-16-01.1 Measurement of the charge radius of radium
A. Knecht et al.
Approved. 2 weeks in PiE1
- R-16-02.1 Hyperfine splittings in muonic hydrogen and ^3He
A. Antognini et al.
Approved. 1 week in PiE5
- 20151615 High field μ SR measurements of the vortex lattice structure in BSCCO single crystals
Ariel Maniv, Nuclear Research Centre-Negev
Approved, 5 days HAL-9500
- 20151770 Li-ion transport of solid-state electrolyte materials for battery applications
Evelyn Stilp, Eidg. Materialpruefungs- und Forschungsanstalt Duebendorf
EMPA
Approved, 4 days GPS
- 20152017 Why is the topological surface state in Dy-doped Bi_2Te_3 thin films gapped?
Tom Lancaster, Univ. of Durham
Approved, 4 days LEM
- 20152019 Investigation of spatial homogeneity of ferromagnetism in epitaxial layers of novel quaternary diluted magnetic semiconductor $(\text{Ga},\text{Mn})(\text{Bi},\text{As})$ by means of muon spin relaxation (mSR) using the low-energy mSR beamline at the Paul Scherrer Institute
Khrystyna Levchenko, Polish Academy of Sciences
Approved, 4 days LEM
- 20152030 Light-induced spin dynamics in films of spin crossover molecules
Pietro Carretta, Univ. degli Studi di Pavia
Approved, 4 days LEM
- 20152032 Hydrogen state of transparent amorphous oxide semiconductor a-IGZO
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Refused, 0 days LEM
- 20152176 Hydrogen state of transparent amorphous oxide semiconductor a-IGZO
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Refused, 0 days GPS

- 20152033 Local magnetism in an infinitely adaptive series of compounds based on $\text{Ln}_2\text{O}_2\text{MSe}_2$
Tom Lancaster, Univ. of Durham
Approved, 2 days Dolly
- 20152034 Discovering the ground states of novel $S=1$ low-dimensional molecular magnets
Tom Lancaster, Univ. of Durham
Approved, 3 days LTF
- 20152146 Discovering the ground states of novel $S=1$ low-dimensional molecular magnets
Tom Lancaster, Univ. of Durham
Approved, 1 days GPS
- 20152039 Field-induced quantum phase transition in newly synthesized low-dimensional spin system
Alexandra Mannig, ETH Zuerich
Approved, 5 days HAL-9500
- 20152149 Field-induced quantum phase transition in newly synthesized low-dimensional spin system
Alexandra Mannig, ETH Zuerich
Approved, 1 days GPS
- 20152044 Relation between conductivity and molecular dynamics of surface and interface in polythiophene
Soshi Takeshita, High Energy Acc. Research Org. (KEK)
Approved, 4 days LEM
- 20152045 Tunability of the Ground-State in Quantum Spin Ice Pyrochlores
Edwin Kermarrec, Univ. Paris-Sud
Approved, 4 days LTF
- 20152193 Tunability of the Ground-State in Quantum Spin Ice Pyrochlores
Edwin Kermarrec, Univ. Paris-Sud
Approved, 4 days GPS
- 20152049 Magnetic properties of two new frustrated quantum magnets
Shravani Chillal, Helmholtz Zentrum Berlin fuer Materialien und Energie
Approved, 3 days LTF
- 20152114 Magnetic properties of two new frustrated quantum magnets
Shravani Chillal, Helmholtz Zentrum Berlin fuer Materialien und Energie
Approved, 3 days GPS
- 20152050 Microscopic properties of the superconducting state in Mo_8Ga_4
Valeriy Verchenko, Lomonosov Moscow State Univ.
Refused, 0 days Dolly
- 20152051 Microscopic properties of the superconducting state in Mo_8Ga_4
Valeriy Verchenko, Lomonosov Moscow State Univ.
Refused, 0 days GPD

- 20152053 Spin Glass behavior in BaGd₂-xEuO₄
Julian A Munevar Cagigas, Paul Scherrer Institut
Refused, 0 days Dolly
- 20152056 Ferromagnetic Quantum Critical Point in Ge-doped FeGa₃ single crystals
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 6 days GPD
- 20152187 Ferromagnetic Quantum Critical Point in Ge-doped FeGa₃ single crystals
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152061 Magnetic ground state of H-substituted 1111 iron-based superconductors under high pressure
Masatoshi Hiraishi, High Energy Acc. Research Org. (KEK)
Approved, 4 days GPD
- 20152064 Unusual pressure induced phase in frustrated 3d antiferromagnetic LuFe₄Ge₂
Rajib Sarkar, Technische Univ. Dresden
Approved, 5 days GPD
- 20152065 Nature of the magnetic order in YbMn₂Sb₂ intermetallic single crystal
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 2 days GPS
- 20152066 Magnetic Dynamics in (CP*)-RE-(COT)
Alan J Drew, Queen Mary and Westfield College
Approved, 2 days GPS
- 20152150 Magnetic Dynamics in (CP*)-RE-(COT)
Alan J Drew, Queen Mary and Westfield College
Approved, 3 days LTF
- 20152067 Investigation of spin polarization on apical oxide in layered calcium ruthenium oxide Ca_{n+1}Ru_nO_{3n+1} (n=1,2).
Masanori Miyazaki, Muroran Inst. of Technology
Approved, 2 days GPS
- 20152071 Search for the origin of the decreasing process of TN in approaching the antiferromagnet-superconductor transition in layered organics
Hiromi Taniguchi, Saitama Univ.
Approved, 5 days Dolly
- 20152074 Sr_xBi₂Se₃: a candidate topological superconductor
Antheunis de Visser, Univ. Amsterdam
Approved, 3 days Dolly
- 20152076 Broken Time-Reversal Symmetry in a Superconducting Topological Insulator
Steven M Disseler, NIST
Approved, 3 days GPS

- 20152078 High Temperature Magnetism Within the Double Perovskite Bi₂FeCrO₆
Adam Berlie, Rutherford Appleton Lab.
Refused, 0 days GPS
- 20152080 Study of adduct radicals in lithium and sodium co-intercalated fullerenes
Nicola Sarzi Amadè, Univ. degli Studi di Pavia
Approved, 2 days GPS
- 20152081 Material parameters at the interface between two superconductors in the Meissner and Shubnikov phase
Tobias Junginger, TRIUMF
Approved, 3 days LEM
- 20152083 Muon investigation of pressure-induced magnetism in CeRh(In_{1-x}Sn_x)₅
Jeff E Sonier, Simon Fraser Univ.
Approved, 8 days GPD
- 20152086 Electrical behavior of hydrogen in anatase TiO₂ studied by means of muSR
Frank Herklotz, Freie Univ. Berlin
Approved, 3 days GPS
- 20152088 Measuring the Full Vortex Phase Diagram of a Layered Superconductor
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days HAL-9500
- 20152089 Studying changes in spin density of TCNQ radicals due to different levels of aromatic substitution
Adam Berlie, Rutherford Appleton Lab.
Approved, 10 days GPD
- 20152090 μ SR study of the superconducting FeSe crystals
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 5 days Dolly
- 20152093 Coexistence of superconductivity and ferromagnetism in Sr_{0.5}Ce_{0.5}F_{1-x}BiS_{2-x}
Antheunis de Visser, Univ. Amsterdam
Approved, 4 days Dolly
- 20152094 Investigation of charge carrier profiles in GaAs-based quantum well and device structures by means of low-energy muSR
Thomas Prokscha, Paul Scherrer Institut
Approved, 6 days LEM
- 20152096 Unveiling short-range correlations in Pr₂Pt₃Ge₅
Daniel Mazzone, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152097 Magnetic order in high TC Cr doped (Bi,Sb)₂Te₃ topological insulator thin films
Nina-Juliane Steinke, Rutherford Appleton Laboratory
Approved, 3 days LEM

- 20152098 Unravelling spin parity effects on the dynamics of lanthanide-based complexes by means of muon spectroscopy.
Eva Lucaccini, Univ. Firenze
Approved, 3 days Dolly
- 20152099 Magnetic Complexity in alpha-NaMnO₂ Single Crystals
Michael J Graf, Boston College
Approved, 3 days GPS
- 20152119 Magnetic Complexity in alpha-NaMnO₂ Single Crystals
Michael J Graf, Boston College
Approved, 3 days LTF
- 20152101 Probing the proximity effect in normal metal Sr₂RuO₄/superconductor YBa₂Cu₃O₇ heterostructures
Angelo Di Bernardo, Univ. of Cambridge
Approved, 4 days LEM
- 20152103 Weak ferromagnetism and field-induced spin-flop transition in Pb₆Ni₉(TeO₆)₅
Toni Shiroka, ETH Zuerich
Refused, 0 days GPS
- 20152104 Fe/Cu site occupation correlations in the high-temperature multiferroic YBaCuFeO₅
Toni Shiroka, ETH Zuerich
Approved, 4 days GPS
- 20152107 Muon Knight shift and spin-triplet pairing in single-crystal ferromagnetic superconductor UCoGe
Lei Shu, Fudan Univ.
Approved, 2 days LTF
- 20152108 Muon Knight shift and spin-triplet pairing in single-crystal ferromagnetic superconductor UCoGe
Lei Shu, Fudan Univ.
Approved, 1 days GPS
- 20152109 Investigating the quantum phase transition in Mott insulator BaCoS₂ tuned by pressure and Ni-substitution
Yasutomo J Uemura, Columbia Univ.
Approved, 6 days GPD
- 20152134 Investigating the quantum phase transition in Mott insulator BaCoS₂ tuned by pressure and Ni-substitution
Yasutomo J Uemura, Columbia Univ.
Approved, 3 days GPS
- 20152110 Low temperature magnetic order and spin dynamics in Ho₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days Dolly

- 20152116 Low temperature magnetic order and spin dynamics in Ho₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days LTF
- 20152111 YFe₂Ge₂ : an analogue to the high-pressure collapsed tetragonal structure of KFe₂As₂
Alex Amato, Paul Scherrer Institut
Approved, 4 days HAL-9500
- 20152112 Topological Surface State Probed by Muons
Lei Shu, Fudan Univ.
Refused, 0 days LEM
- 20152113 Quantum Critical Point in the Spin Orbital Singlet FeSc₂S₄
Alun M Biffin, Paul Scherrer Institut
Approved, 3 days GPD
- 20152129 Quantum Critical Point in the Spin Orbital Singlet FeSc₂S₄
Alun M Biffin, Paul Scherrer Institut
Refused, 0 days LTF
- 20152115 Field-induced magnetic order in lightly underdoped La_{2-x}Sr_xCuO₄
Marek Pikulski, ETH Zuerich
Approved, 6 days HAL-9500
- 20152117 Study the Magnetism of Ba₃LnIr₂O₉ by muSR
Hanjie Guo, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
Approved, 2 days GPS
- 20152121 MuSR Study of the Chiral Superconductivity in the Honeycomb-Lattice Superconducting Single Crystals
Tadashi Adachi, Sophia Univ.
Approved, 3 days LTF
- 20152122 Probing stray field distributions in silver arising from patterned ferromagnetic films
Ian Terry, Univ. of Durham
Refused, 0 days GPS
- 20152125 Understanding of slow magnetic relaxation in organoiron compounds relevant to N₂-functionalization
Dirk Baabe, Techn. Univ. Braunschweig
Refused, 0 days GPS
- 20152170 Understanding of slow magnetic relaxation in organoiron compounds relevant to N₂-functionalization
Dirk Baabe, Techn. Univ. Braunschweig
Refused, 0 days LTF
- 20152127 Coexistence of superconductivity and itinerant ferromagnetism in Sr_{0.5}Ce_{0.5}FBiS(2-x)Sex (x = 0.5 and 1.0): the first non-U based material with T_c < T_{FM}
Vadim Grinenko, Technische Univ. Dresden
Refused, 0 days GPS

- 20152185 Coexistence of superconductivity and itinerant ferromagnetism in Sr_{0.5}Ce_{0.5}FBiS(2-x)Sex (x = 0.5 and 1.0): the first non-U based material with $T_c < T_{FM}$
Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20152128 Does Deuteration Change More Than Just The Phonon Spectrum?
Adam Berlie, Rutherford Appleton Lab.
Refused, 0 days GPD
- 20152130 A magnetic impurity study of the Heisenberg-Kitaev material alpha-RuCl₃
WonJun Lee, Chung-Ang University
Approved, 2 days GPS
- 20152131 A magnetic impurity study of the Heisenberg-Kitaev material alpha-RuCl₃
WonJun Lee, Chung-Ang University
Approved, 2 days LTF
- 20152132 Muon Spin Relaxation on Sr₂RuO₄ Under Uniaxial Pressure
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days Dolly
- 20152133 Evolution of magnetic and electronic phases in Sr₂Ir_{1-x}Ru_xO₄
WonJun Lee, Chung-Ang University
Approved, 1 days GPS
- 20152136 Probing the superconducting state of the non-centrosymmetric Ca₃Ir₄Ge₄ compound
Alex Amato, Paul Scherrer Institut
Approved, 4 days Dolly
- 20152140 Highly frustrated J₁-J₂ S = 1/2 spin chains in Li₂HfCuO₄
Ruediger Klingeler, Univ. Heidelberg
Approved, 2 days Dolly
- 20152141 Magnetic Ordered State of Diluted Magnetic Semiconductor, Ge_{1-x}Mn_xTe
Isao Watanabe, RIKEN
Approved, 3 days Dolly
- 20152142 Transformation from the double to the single dome structure in H-doped LaFeAsO_{1-x}H_x: influence of pressure on x=0.2 sample
Rustem Khasanov, Paul Scherrer Institut
Approved, 6 days GPD
- 20152145 muSR Investigation on the Magnetic Order of p-electrons in the Superoxide of CaO₂ and NaO₂
Isao Watanabe, RIKEN
Refused, 0 days Dolly
- 20152147 Magnetic order and spin dynamics in Tb₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Approved, 2 days GPS

- 20152148 Suppression of the Ir-Ordered State in the pyrochlore iridates (Nd_{1-x}Cax)₂Ir₂O₇ and (Nd_{1-x}Prx)₂Ir₂O₇ Studied by μ SR
Isao Watanabe, RIKEN
Approved, 2 days Dolly
- 20152151 Stability of the all-in/all-out phase of Eu₂Ir₂O₇ against chemical pressure as induced by the isovalent Eu(1-x)Bi(x) substitution
Giacomo Prando, Leibniz-Inst. fuer Festkoerper- und Werkstoffforschung
Dresden
Approved, 2 days GPS
- 20152156 Stability of the all-in/all-out phase of Eu₂Ir₂O₇ against chemical pressure as induced by the isovalent Eu(1-x)Bi(x) substitution
Giacomo Prando, Leibniz-Inst. fuer Festkoerper- und Werkstoffforschung
Dresden
Approved, 2 days LTF
- 20152152 Microscopic investigations of magnetic and structural transitions in a EuTiO₃ thin film and the interface with SrTiO₃
Zurab Guguchia, Paul Scherrer Institut
Approved, 2 days LEM
- 20152153 Field-tuning of monopole chemical potential in spin ice
Stephen J Blundell, Univ. of Oxford
Approved, 4 days HAL-9500
- 20152154 Local magnetic properties of the honeycomb lattice compound Ag₃LiRu₂O₆ probed by μ SR
Avinash V Mahajan, Indian Inst. of Technology Bombay - IIT
Refused, 0 days GPS
- 20152155 Quantum spin liquid candidate YbMgGaO₄
Stephen J Blundell, Univ. of Oxford
Approved, 2 days LTF
- 20152157 Chemical vs. hydrostatic pressure effects in CrAs family
Rustem Khasanov, Paul Scherrer Institut
Approved, 3 days Dolly
- 20152159 Microscopic investigations of magnetic properties of electron-doped high-T_c cuprate superconductor Pr_{1.3-x}La_{0.7}Ce_xCuO₄ (x = 0.1) under high magnetic fields
Zurab Guguchia, Paul Scherrer Institut
Approved, 4 days HAL-9500
- 20152165 Microscopic investigations of magnetic properties of electron-doped high-T_c cuprate superconductor Pr_{1.3-x}La_{0.7}Ce_xCuO₄ (x = 0.1) under high magnetic fields
Zurab Guguchia, Paul Scherrer Institut
Approved, 1 days GPS

- 20152160 Magnetic properties of the $\text{La}_{2-x}\text{Ca}_x\text{CoIrO}_6$ double perovskite series
Jochen Litterst, Techn. Univ. Braunschweig
Approved, 2 days GPS
- 20152161 Magnetism in $\text{RT}_2\text{Zn}_{20}$: below and beyond the Stoner limit
Stephen J Blundell, Univ. of Oxford
Approved, 1 days GPS
- 20152163 Relaxor ferromagnetic state in competition with spin glass behaviour
Stephen J Blundell, Univ. of Oxford
Approved, 3 days GPS
- 20152166 Studies the anisotropic properties of
 $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OHFe}_{0.98}\text{Se}$ superconductor
Rustem Khasanov, Paul Scherrer Institut
Refused, 0 days GPS
- 20152167 Hydrostatic pressure effects on magnetic and superconducting properties of
electron-doped high- T_c cuprate superconductor $\text{Pr}_{1.3-x}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$ ($x = 0.1$)
Zurab Guguchia, Paul Scherrer Institut
Refused, 0 days GPD
- 20152207 Hydrostatic pressure effects on magnetic and superconducting properties of
electron-doped high- T_c cuprate superconductor $\text{Pr}_{1.3-x}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$ ($x = 0.1$)
Zurab Guguchia, Paul Scherrer Institut
Refused, 0 days GPS
- 20152168 Study of the superfluid density of strongly underdoped and overdoped oxy-
pnictides
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 2 days Dolly
- 20152174 Coexistence of antiferromagnetism and superconductivity in
noncentrosymmetric half-Heusler compound HoPdBi
Orest Pavlosiuk, Polish Academy of Sciences in Wroclaw
Refused, 0 days LTF
- 20152177 Coexistence of antiferromagnetism and superconductivity in
noncentrosymmetric half-Heusler compound HoPdBi
Orest Pavlosiuk, Polish Academy of Sciences in Wroclaw
Refused, 0 days GPD
- 20152175 Investigation of excitonic effects in TIPS with LEM under illumination
Alan J Drew, Queen Mary and Westfield College
Approved, 2 days LEM
- 20152180 Low energy muon studies of zinc oxide nanorods on an indium thin oxide
thin film substrate
Khashayar Ghandi, Canada's National Lab. for Particle and Nuclear Physics
Refused, 0 days LEM

- 20152181 Pressure effect on the antiferromagnetic and spin glass ordering temperatures of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Rustem Khasanov, Paul Scherrer Institut
Approved, 4 days GPD
- 20152182 Pressure effect on the antiferromagnetic and spin glass ordering temperatures of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Rustem Khasanov, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152184 Engineering of magnetic topological insulators by magnetic doping and proximity to magnetic insulators
Zaher Salman, Paul Scherrer Institut
Approved, 4 days LEM
- 20152186 Exploring the magnetism of human brain Ferritin and Neuromelanin
Lucia Bossoni, Leiden University
Approved, 2 days GPS
- 20152188 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Approved, 3 days Dolly
- 20152195 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20152197 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Refused, 0 days LTF
- 20152191 Magnetic response of ferromagnet/superconductor spin valves
Elisa Baggio-Saitovitch, Centro Brasileiro de Pesquisas Fisicas
Refused, 0 days LEM
- 20152194 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 8 days GPD
- 20152196 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days GPS
- 20152198 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days LTF

- 20152199 Search for broken time reversal symmetry of the superconducting order parameter in $Ba_{1-x}K_xFe_2As_2$ superconductors
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days GPS
- 20152200 Search for broken time reversal symmetry of the superconducting order parameter in $Ba_{1-x}K_xFe_2As_2$ superconductors
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days LTF
- 20152201 Search for multi-gap superconductivity and Kosterlitz-Thouless transition in single-layer FeSe grown on $SrTiO_3$
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 5 days LEM
- 20152203 Microscopic investigation of pressure enhanced superconductivity in Weyl Semimetal Candidate $MoTe_2$
Zurab Guguchia, Paul Scherrer Institut
Approved, 9 days GPD
- 20152205 Microscopic investigation of pressure enhanced superconductivity in Weyl Semimetal Candidate $MoTe_2$
Zurab Guguchia, Paul Scherrer Institut
Approved, 2 days LTF
- 20152204 Investigating the superconducting and magnetic properties of Weyl Semimetal $MoTe_2$ under hydrostatic pressure
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Refused, 0 days GPD
- 20152206 Pseudogap-like precursor state in the heavy fermion superconductor $CeIrIn_5$
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20152208 Investigating the superconducting ground state of non-centrosymmetric $PbTaSe_2$
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 3 days Dolly

2. Beam schedules

The 590 MeV ring accelerator is scheduled for 33 weeks of high intensity beam production from May 9 to December 22. A schedule has been worked out which satisfies all beam requests.

As usual, the beam schedules 2016 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 μ SR details

3. Varia

The next meeting BVR 48 is scheduled for February 6 - 8, 2017. The first day is reserved for detailed reviews as usual. The deadline for beam requests, new proposals and addenda is January 15, 2017. Users are requested to make electronic submissions of their documents.

The dates for the next meeting BVRA-2017 are not fixed yet.

Attachments

- PSI 590 MeV HE Program 2016 can be found on http://www.psi.ch/ltp/FacilitiesEN/schedule_2016.pdf
- BV47 list of PSI HE experiments
- BVRA-2016 list of PSI μ SR 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>

BV47 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2016

PSI 590 MeV Program 2016

Last update: Feb 18th, 2016, S. Ritt <stefan.ritt@psi.ch>
http://www.psi.ch/ftp/FacilitiesEN/schedule_2016.pdf

			May		June			July				August			September			October			November			December													
Week number	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			
PSP																																					
PiM3	MuSR (GPS<F)	Amato (coord.)																																			
PiE3	MuSR high field	Scheuermann (coord.)																																			
MuE1	MuSR (GPD)	Amato (coord.)																																			
MuE4	MuSR (LEM)	Prokscha (coord.)																																			
PiE1-1	MuSR (Dolly)	Amato (coord.)																																			
	R-14-01.1 Irrad.	Rohe																																			
PiE1-2	R-08-01.1 MUSUN	5201.32030.004																																			
	R-16-01.1 muX	5203.32730.001																																			
PiE5	R-99-05.2 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																																			
	R-15-01.1 Det. tests	Jamieson																																			
PiM1	R-12-03.1 Mu3E	5203.85763.010																																			
	R-12-01.2 MUSE	5203.85763.010																																			
	Praktikum	5203.85763.010																																			
	Praktikum	5203.85763.010																																			
	CMS Diamond Detectors	5203.85763.010																																			
	Irradiation	5203.85763.010																																			
	DC cluster counting	5203.85763.010																																			
	Organic Scintillators	5203.85763.010																																			
	Beam Monitor Tests	5203.85763.010																																			
Spin-rotator																																					
Start (Monday)	9/5/16	16/5/16	23/5/16	30/5/16	6/6/16	13/6/16	20/6/16	27/6/16	4/7/16	11/7/16	18/7/16	25/7/16	1/8/16	8/8/16	15/8/16	22/8/16	29/8/16	5/9/16	12/9/16	19/9/16	26/9/16	3/10/16	10/10/16	17/10/16	24/10/16	31/10/16	7/11/16	14/11/16	21/11/16	28/11/16	5/12/16	12/12/16	19/12/16	26/12/16			
End (Sunday)	15/5/16	22/5/16	29/5/16	5/6/16	12/6/16	19/6/16	26/6/16	3/7/16	10/7/16	17/7/16	24/7/16	31/7/16	7/8/16	14/8/16	21/8/16	28/8/16	4/9/16	11/9/16	18/9/16	25/9/16	2/10/16	9/10/16	16/10/16	23/10/16	30/10/16	6/11/16	13/11/16	20/11/16	27/11/16	4/12/16	11/12/16	18/12/16	25/12/16				

BV47 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2016

New Proposals

Proposal No.	Spokesmen	Email	Experiment	Beam request	Area	Referees
R-16-01.1	A. Knecht	a.knecht@psi.ch	Measurement of the charge radius of radium (MuX collaboration)	2 weeks October	π E1-2	approved
R-16-02.1	A. Antognini	aldo@phys.ethz.ch	Hyperfine splittings in muonic hydrogen and ^3He (CREMA collaboration)	1 week CMB tests	π E5	approved
R-16-03.1	E. Pierre	pierre@rcnp.osaka-u.ac.jp	Characterization of new materials for Polarized UCN transport	1 week	UCN W1	approved

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	8.5 weeks +10 weeks	π E5	approved
R-05-03.1	K. Kirch G. Ban	klaus.kirch@psi.ch ban@lpccaen.in2p3.fr	Measurement of the Neutron Electronic Dipole Moment nEDM	all available UCN beam time	UCN	approved
R-08-01.1	P. Kammel C. Petitjean A. Vasilyev	pkammel@uw.edu claude.petitjean@psi.ch vassilie@pnpi.spb.ru	Muon Capture on the Deuteron - The Musun Experiment	6 weeks	π E1-2	approved
R-12-01.2	R. Gilman	rgilman@physics.rutgers.edu	Studying the Proton "Radius" Puzzle with μp -p Elastic Scattering (MUSE collaboration)	9.6 weeks tests	π M1	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)	6 weeks + 3 weeks tests	π E5	approved

BV47 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2016

R-13-03.1	P. Kammel Y. Kuno	pkammel@uw.edu kuno@phys.sci.osaka-u.ac.jp	Study of Muon Capture for Muon-to-Electron Conversion Experiments (ALCap collaboration)		π E1- 2	no request
R-14-01.1	T. Rohe	tilman.rohe@psi.ch	Pion induced Change of Material Parameters in Silicon	6 weeks	π E1- 1	approved
UNC Source	A. Anghel	alexander.anghel@psi.ch	UCN Source		UCN	approved

BVRA-2016 list of New μ SR experiments

- 20151615 High field μ SR measurements of the vortex lattice structure in BSCCO single crystals
Ariel Maniv, Nuclear Research Centre-Negev
Approved, 5 days HAL-9500
- 20151770 Li-ion transport of solid-state electrolyte materials for battery applications
Evelyn Stilp, Eidg. Materialpruefungs- und Forschungsanstalt Duebendorf EMPA
Approved, 4 days GPS
- 20152017 Why is the topological surface state in Dy-doped Bi₂Te₃ thin films gapped?
Tom Lancaster, Univ. of Durham
Approved, 4 days LEM
- 20152019 Investigation of spatial homogeneity of ferromagnetism in epitaxial layers of novel quaternary diluted magnetic semiconductor (Ga,Mn)(Bi,As) by means of muon spin relaxation (mSR) using the low-energy mSR beamline at the Paul Scherrer Institute
Khrystyna Levchenko, Polish Academy of Sciences
Approved, 4 days LEM
- 20152030 Light-induced spin dynamics in films of spin crossover molecules
Pietro Carretta, Univ. degli Studi di Pavia
Approved, 4 days LEM
- 20152032 Hydrogen state of transparent amorphous oxide semiconductor a-IGZO
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Refused, 0 days LEM
- 20152176 Hydrogen state of transparent amorphous oxide semiconductor a-IGZO
Kenji M Kojima, High Energy Acc. Research Org. (KEK)
Refused, 0 days GPS
- 20152033 Local magnetism in an infinitely adaptive series of compounds based on Ln₂O₂MSe₂
Tom Lancaster, Univ. of Durham
Approved, 2 days Dolly
- 20152034 Discovering the ground states of novel S=1 low-dimensional molecular magnets
Tom Lancaster, Univ. of Durham
Approved, 3 days LTF
- 20152146 Discovering the ground states of novel S=1 low-dimensional molecular magnets
Tom Lancaster, Univ. of Durham
Approved, 1 days GPS
- 20152039 Field-induced quantum phase transition in newly synthesized low-dimensional spin system
Alexandra Mannig, ETH Zuerich
Approved, 5 days HAL-9500
- 20152149 Field-induced quantum phase transition in newly synthesized low-dimensional spin system
Alexandra Mannig, ETH Zuerich
Approved, 1 days GPS
- 20152044 Relation between conductivity and molecular dynamics of surface and interface in polythiophene
Soshi Takeshita, High Energy Acc. Research Org. (KEK)
Approved, 4 days LEM
- 20152045 Tunability of the Ground-State in Quantum Spin Ice Pyrochlores
Edwin Kermarrec, Univ. Paris-Sud
Approved, 4 days LTF
- 20152193 Tunability of the Ground-State in Quantum Spin Ice Pyrochlores
Edwin Kermarrec, Univ. Paris-Sud
Approved, 4 days GPS

- 20152049 Magnetic properties of two new frustrated quantum magnets
Shravani Chillal, Helmholtz Zentrum Berlin fuer Materialien und Energie
Approved, 3 days LTF
- 20152114 Magnetic properties of two new frustrated quantum magnets
Shravani Chillal, Helmholtz Zentrum Berlin fuer Materialien und Energie
Approved, 3 days GPS
- 20152050 Microscopic properties of the superconducting state in Mo₈Ga₄₁
Valeriy Verchenko, Lomonosov Moscow State Univ.
Refused, 0 days Dolly
- 20152051 Microscopic properties of the superconducting state in Mo₈Ga₄₁
Valeriy Verchenko, Lomonosov Moscow State Univ.
Refused, 0 days GPD
- 20152053 Spin Glass behavior in BaGd₂-xEu_xO₄
Julian A Munevar Cagigas, Paul Scherrer Institut
Refused, 0 days Dolly
- 20152056 Ferromagnetic Quantum Critical Point in Ge-doped FeGa₃ single crystals
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 6 days GPD
- 20152187 Ferromagnetic Quantum Critical Point in Ge-doped FeGa₃ single crystals
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152061 Magnetic ground state of H-substituted 1111 iron-based superconductors under high pressure
Masatoshi Hiraishi, High Energy Acc. Research Org. (KEK)
Approved, 4 days GPD
- 20152064 Unusual pressure induced phase in frustrated 3d antiferromagnetic LuFe₄Ge₂
Rajib Sarkar, Technische Univ. Dresden
Approved, 5 days GPD
- 20152065 Nature of the magnetic order in YbMn₂Sb₂ intermetallic single crystal
Julian A Munevar Cagigas, Paul Scherrer Institut
Approved, 2 days GPS
- 20152066 Magnetic Dynamics in (CP*)-RE-(COT)
Alan J Drew, Queen Mary and Westfield College
Approved, 2 days GPS
- 20152150 Magnetic Dynamics in (CP*)-RE-(COT)
Alan J Drew, Queen Mary and Westfield College
Approved, 3 days LTF
- 20152067 Investigation of spin polarization on apical oxide in layered calcium ruthenium oxide
Ca_{n+1}Ru_nO_{3n+1} (n=1,2).
Masanori Miyazaki, Muroran Inst. of Technology
Approved, 2 days GPS
- 20152071 Search for the origin of the decreasing process of TN in approaching the antiferromagnet-
superconductor transition in layered organics
Hiromi Taniguchi, Saitama Univ.
Approved, 5 days Dolly
- 20152074 Sr_xBi₂Se₃: a candidate topological superconductor
Antheunis de Visser, Univ. Amsterdam
Approved, 3 days Dolly
- 20152076 Broken Time-Reversal Symmetry in a Superconducting Topological Insulator
Steven M Disseler, NIST
Approved, 3 days GPS

- 20152078 High Temperature Magnetism Within the Double Perovskite Bi₂FeCrO₆
Adam Berlie, Rutherford Appleton Lab.
Refused, 0 days GPS
- 20152080 Study of adduct radicals in lithium and sodium co-intercalated fullerides
Nicola Sarzi Amadè, Univ. degli Studi di Pavia
Approved, 2 days GPS
- 20152081 Material parameters at the interface between two superconductors in the Meissner and Shubnikov phase
Tobias Junginger, TRIUMF
Approved, 3 days LEM
- 20152083 Muon investigation of pressure-induced magnetism in CeRh(In_{1-x}Sn_x)₅
Jeff E Sonier, Simon Fraser Univ.
Approved, 8 days GPD
- 20152086 Electrical behavior of hydrogen in anatase TiO₂ studied by means of muSR
Frank Herklotz, Freie Univ. Berlin
Approved, 3 days GPS
- 20152088 Measuring the Full Vortex Phase Diagram of a Layered Superconductor
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days HAL-9500
- 20152089 Studying changes in spin density of TCNQ radicals due to different levels of aromatic substitution
Adam Berlie, Rutherford Appleton Lab.
Approved, 10 days GPD
- 20152090 μ SR study of the superconducting FeSe crystals
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 5 days Dolly
- 20152093 Coexistence of superconductivity and ferromagnetism in Sr_{0.5}Ce_{0.5}FBiS_{2-x}Sex
Antheunis de Visser, Univ. Amsterdam
Approved, 4 days Dolly
- 20152094 Investigation of charge carrier profiles in GaAs-based quantum well and device structures by means of low-energy muSR
Thomas Prokscha, Paul Scherrer Institut
Approved, 6 days LEM
- 20152096 Unveiling short-range correlations in Pr₂Pt₃Ge₅
Daniel Mazzone, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152097 Magnetic order in high TC Cr doped (Bi,Sb)₂Te₃ topological insulator thin films
Nina-Juliane Steinke, Rutherford Appleton Laboratory
Approved, 3 days LEM
- 20152098 Unravelling spin parity effects on the dynamics of lanthanide-based complexes by means of muon spectroscopy.
Eva Lucaccini, Univ. Firenze
Approved, 3 days Dolly
- 20152099 Magnetic Complexity in alpha-NaMnO₂ Single Crystals
Michael J Graf, Boston College
Approved, 3 days GPS
- 20152119 Magnetic Complexity in alpha-NaMnO₂ Single Crystals
Michael J Graf, Boston College
Approved, 3 days LTF

- 20152101 Probing the proximity effect in normal metal Sr₂RuO₄/superconductor YBa₂Cu₃O₇ heterostructures
Angelo Di Bernardo, Univ. of Cambridge
Approved, 4 days LEM
- 20152103 Weak ferromagnetism and field-induced spin-flop transition in Pb₆Ni₉(TeO₆)₅
Toni Shiroka, ETH Zuerich
Refused, 0 days GPS
- 20152104 Fe/Cu site occupation correlations in the high-temperature multiferroic YBaCuFeO₅
Toni Shiroka, ETH Zuerich
Approved, 4 days GPS
- 20152107 Muon Knight shift and spin-triplet pairing in single-crystal ferromagnetic superconductor UCoGe
Lei Shu, Fudan Univ.
Approved, 2 days LTF
- 20152108 Muon Knight shift and spin-triplet pairing in single-crystal ferromagnetic superconductor UCoGe
Lei Shu, Fudan Univ.
Approved, 1 days GPS
- 20152109 Investigating the quantum phase transition in Mott insulator BaCoS₂ tuned by pressure and Ni-substitution
Yasutomo J Uemura, Columbia Univ.
Approved, 6 days GPD
- 20152134 Investigating the quantum phase transition in Mott insulator BaCoS₂ tuned by pressure and Ni-substitution
Yasutomo J Uemura, Columbia Univ.
Approved, 3 days GPS
- 20152110 Low temperature magnetic order and spin dynamics in Ho₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days Dolly
- 20152116 Low temperature magnetic order and spin dynamics in Ho₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Refused, 0 days LTF
- 20152111 YFe₂Ge₂ : an analogue to the high-pressure collapsed tetragonal structure of KFe₂As₂
Alex Amato, Paul Scherrer Institut
Approved, 4 days HAL-9500
- 20152112 Topological Surface State Probed by Muons
Lei Shu, Fudan Univ.
Refused, 0 days LEM
- 20152113 Quantum Critical Point in the Spin Orbital Singlet FeSc₂S₄
Alun M Biffin, Paul Scherrer Institut
Approved, 3 days GPD
- 20152129 Quantum Critical Point in the Spin Orbital Singlet FeSc₂S₄
Alun M Biffin, Paul Scherrer Institut
Refused, 0 days LTF
- 20152115 Field-induced magnetic order in lightly underdoped La_{2-x}Sr_xCuO₄
Marek Pikulski, ETH Zuerich
Approved, 6 days HAL-9500
- 20152117 Study the Magnetism of Ba₃LnIr₂O₉ by muSR
Hanjie Guo, Max-Planck-Inst. fuer Chemische Physik fester Stoffe
Approved, 2 days GPS

- 20152121 MuSR Study of the Chiral Superconductivity in the Honeycomb-Lattice Superconducting Single Crystals
Tadashi Adachi, Sophia Univ.
Approved, 3 days LTF
- 20152122 Probing stray field distributions in silver arising from patterned ferromagnetic films
Ian Terry, Univ. of Durham
Refused, 0 days GPS
- 20152125 Understanding of slow magnetic relaxation in organoiron compounds relevant to N2-functionalization
Dirk Baabe, Techn. Univ. Braunschweig
Refused, 0 days GPS
- 20152170 Understanding of slow magnetic relaxation in organoiron compounds relevant to N2-functionalization
Dirk Baabe, Techn. Univ. Braunschweig
Refused, 0 days LTF
- 20152127 Coexistence of superconductivity and itinerant ferromagnetism in $\text{Sr}_{0.5}\text{Ce}_{0.5}\text{FBiS}(2-x)\text{Sex}$ ($x = 0.5$ and 1.0): the first non-U based material with $T_c < T_{\text{FM}}$
Vadim Grinenko, Technische Univ. Dresden
Refused, 0 days GPS
- 20152185 Coexistence of superconductivity and itinerant ferromagnetism in $\text{Sr}_{0.5}\text{Ce}_{0.5}\text{FBiS}(2-x)\text{Sex}$ ($x = 0.5$ and 1.0): the first non-U based material with $T_c < T_{\text{FM}}$
Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20152128 Does Deuteration Change More Than Just The Phonon Spectrum?
Adam Berlie, Rutherford Appleton Lab.
Refused, 0 days GPD
- 20152130 A magnetic impurity study of the Heisenberg-Kitaev material $\alpha\text{-RuCl}_3$
WonJun Lee, Chung-Ang University
Approved, 2 days GPS
- 20152131 A magnetic impurity study of the Heisenberg-Kitaev material $\alpha\text{-RuCl}_3$
WonJun Lee, Chung-Ang University
Approved, 2 days LTF
- 20152132 Muon Spin Relaxation on Sr_2RuO_4 Under Uniaxial Pressure
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days Dolly
- 20152133 Evolution of magnetic and electronic phases in $\text{Sr}_2\text{Ir}_{1-x}\text{Ru}_x\text{O}_4$
WonJun Lee, Chung-Ang University
Approved, 1 days GPS
- 20152136 Probing the superconducting state of the non-centrosymmetric $\text{Ca}_3\text{Ir}_4\text{Ge}_4$ compound
Alex Amato, Paul Scherrer Institut
Approved, 4 days Dolly
- 20152140 Highly frustrated J_1 - J_2 $S = 1/2$ spin chains in $\text{Li}_2\text{HfCuO}_4$
Ruediger Klingeler, Univ. Heidelberg
Approved, 2 days Dolly
- 20152141 Magnetic Ordered State of Diluted Magnetic Semiconductor, $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$
Isao Watanabe, RIKEN
Approved, 3 days Dolly
- 20152142 Transformation from the double to the single dome structure in H-doped $\text{LaFeAsO}_{1-x}\text{H}_x$: influence of pressure on $x=0.2$ sample
Rustem Khasanov, Paul Scherrer Institut
Approved, 6 days GPD

- 20152145 muSR Investigation on the Magnetic Order of p-electrons in the Superoxide of CaO₂ and NaO₂
Isao Watanabe, RIKEN
Refused, 0 days Dolly
- 20152147 Magnetic order and spin dynamics in Tb₂Ir₂O₇
Lieh-Jeng Chang, National Chen Kung Univ.
Approved, 2 days GPS
- 20152148 Suppression of the Ir-Ordered State in the pyrochlore iridates (Nd_{1-x}Cax)₂Ir₂O₇ and (Nd_{1-x}Pr_x)₂Ir₂O₇ Studied by muSR
Isao Watanabe, RIKEN
Approved, 2 days Dolly
- 20152151 Stability of the all-in/all-out phase of Eu₂Ir₂O₇ against chemical pressure as induced by the isovalent Eu(1-x)Bi(x) substitution
Giacomo Prando, Leibniz-Inst. fuer Festkoerper- und Werkstoffforschung Dresden
Approved, 2 days GPS
- 20152156 Stability of the all-in/all-out phase of Eu₂Ir₂O₇ against chemical pressure as induced by the isovalent Eu(1-x)Bi(x) substitution
Giacomo Prando, Leibniz-Inst. fuer Festkoerper- und Werkstoffforschung Dresden
Approved, 2 days LTF
- 20152152 Microscopic investigations of magnetic and structural transitions in a EuTiO₃ thin film and the interface with SrTiO₃
Zurab Guguchia, Paul Scherrer Institut
Approved, 2 days LEM
- 20152153 Field-tuning of monopole chemical potential in spin ice
Stephen J Blundell, Univ. of Oxford
Approved, 4 days HAL-9500
- 20152154 Local magnetic properties of the honeycomb lattice compound Ag₃LiRu₂O₆ probed by μ SR
Avinash V Mahajan, Indian Inst. of Technology Bombay - IIT
Refused, 0 days GPS
- 20152155 Quantum spin liquid candidate YbMgGaO₄
Stephen J Blundell, Univ. of Oxford
Approved, 2 days LTF
- 20152157 Chemical vs. hydrostatic pressure effects in CrAs family
Rustem Khasanov, Paul Scherrer Institut
Approved, 3 days Dolly
- 20152159 Microscopic investigations of magnetic properties of electron-doped high-T_c cuprate superconductor Pr_{1.3-x}La_{0.7}Ce_xCuO₄ (x = 0.1) under high magnetic fields
Zurab Guguchia, Paul Scherrer Institut
Approved, 4 days HAL-9500
- 20152165 Microscopic investigations of magnetic properties of electron-doped high-T_c cuprate superconductor Pr_{1.3-x}La_{0.7}Ce_xCuO₄ (x = 0.1) under high magnetic fields
Zurab Guguchia, Paul Scherrer Institut
Approved, 1 days GPS
- 20152160 Magnetic properties of the La_{2-x}CaxCoIrO₆ double perovskite series
Jochen Litterst, Techn. Univ. Braunschweig
Approved, 2 days GPS
- 20152161 Magnetism in RT₂Zn₂₀: below and beyond the Stoner limit
Stephen J Blundell, Univ. of Oxford
Approved, 1 days GPS
- 20152163 Relaxor ferromagnetic state in competition with spin glass behaviour
Stephen J Blundell, Univ. of Oxford
Approved, 3 days GPS

- 20152166 Studies the anisotropic properties of $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OHFe}_{0.98}\text{Se}$ superconductor
Rustem Khasanov, Paul Scherrer Institut
Refused, 0 days GPS
- 20152167 Hydrostatic pressure effects on magnetic and superconducting properties of electron-doped high-Tc cuprate superconductor $\text{Pr}_{1.3-x}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$ ($x = 0.1$)
Zurab Guguchia, Paul Scherrer Institut
Refused, 0 days GPD
- 20152207 Hydrostatic pressure effects on magnetic and superconducting properties of electron-doped high-Tc cuprate superconductor $\text{Pr}_{1.3-x}\text{La}_{0.7}\text{Ce}_x\text{CuO}_4$ ($x = 0.1$)
Zurab Guguchia, Paul Scherrer Institut
Refused, 0 days GPS
- 20152168 Study of the superfluid density of strongly underdoped and overdoped oxy-pnictides
Samuele Sanna, Univ. degli Studi di Pavia
Approved, 2 days Dolly
- 20152174 Coexistence of antiferromagnetism and superconductivity in noncentrosymmetric half-Heusler compound HoPdBi
Orest Pavlosiuk, Polish Academy of Sciences in Wroclaw
Refused, 0 days LTF
- 20152177 Coexistence of antiferromagnetism and superconductivity in noncentrosymmetric half-Heusler compound HoPdBi
Orest Pavlosiuk, Polish Academy of Sciences in Wroclaw
Refused, 0 days GPD
- 20152175 Investigation of excitonic effects in TIPS with LEM under illumination
Alan J Drew, Queen Mary and Westfield College
Approved, 2 days LEM
- 20152180 Low energy muon studies of zinc oxide nanorods on an indium thin oxide thin film substrate
Khashayar Ghandi, Canada's National Lab. for Particle and Nuclear Physics
Refused, 0 days LEM
- 20152181 Pressure effect on the antiferromagnetic and spin glass ordering temperatures of $\text{La}_{2-x}\text{Sr}_2\text{CuO}_4$
Rustem Khasanov, Paul Scherrer Institut
Approved, 4 days GPD
- 20152182 Pressure effect on the antiferromagnetic and spin glass ordering temperatures of $\text{La}_{2-x}\text{Sr}_2\text{CuO}_4$
Rustem Khasanov, Paul Scherrer Institut
Approved, 2 days Dolly
- 20152184 Engineering of magnetic topological insulators by magnetic doping and proximity to magnetic insulators
Zaher Salman, Paul Scherrer Institut
Approved, 4 days LEM
- 20152186 Exploring the magnetism of human brain Ferritin and Neuromelanin
Lucia Bossoni, Leiden University
Approved, 2 days GPS
- 20152188 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Approved, 3 days Dolly
- 20152195 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Approved, 5 days HAL-9500

- 20152197 Spin fluctuations and orbital currents in clean FeSe single crystals in zero and applied magnetic fields
Vadim Grinenko, Technische Univ. Dresden
Refused, 0 days LTF
- 20152191 Magnetic response of ferromagnet/superconductor spin valves
Elisa Baggio-Saitovitch, Centro Brasileiro de Pesquisas Fisicas
Refused, 0 days LEM
- 20152194 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 8 days GPD
- 20152196 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days GPS
- 20152198 Magnetic and superconducting properties of tetragonal FeS under pressure: An analogue to the famous FeSe?
Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days LTF
- 20152199 Search for broken time reversal symmetry of the superconducting order parameter in Ba_{1-x}K_xFe₂As₂ superconductors
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days GPS
- 20152200 Search for broken time reversal symmetry of the superconducting order parameter in Ba_{1-x}K_xFe₂As₂ superconductors
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days LTF
- 20152201 Search for multi-gap superconductivity and Kosterlitz-Thouless transition in single-layer FeSe grown on SrTiO₃
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 5 days LEM
- 20152203 Microscopic investigation of pressure enhanced superconductivity in Weyl Semimetal Candidate MoTe₂
Zurab Guguchia, Paul Scherrer Institut
Approved, 9 days GPD
- 20152205 Microscopic investigation of pressure enhanced superconductivity in Weyl Semimetal Candidate MoTe₂
Zurab Guguchia, Paul Scherrer Institut
Approved, 2 days LTF
- 20152204 Investigating the superconducting and magnetic properties of Weyl Semimetal MoTe₂ under hydrostatic pressure
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Refused, 0 days GPD
- 20152206 Pseudogap-like precursor state in the heavy fermion superconductor CeIrIn₅
Hans-Henning Klauss, Technische Univ. Dresden
Approved, 5 days HAL-9500
- 20152208 Investigating the superconducting ground state of non-centrosymmetric PbTaSe₂
Pabitra Kumar Biswas, Rutherford Appleton Lab.
Approved, 3 days Dolly

BVRA-2016 list of Continued μ SR experiments

- 20151788 Investigation of the Mn_{1-x}Rh_xGe system: from helical magnetism and skyrmions to unconventional superconductivity
Isabelle Mirebeau, CEA, Saclay
Approved, 2 days GPS
- 20152027 Investigation of the Mn_{1-x}Rh_xGe system: from helical magnetism and skyrmions to unconventional superconductivity
Isabelle Mirebeau, CEA, Saclay
Approved, 2 days LTF
- 20151827 Pressure driven magnetic phase transitions in AM₂P₂ (122)-type compounds: PART II
Martin Mansson, Royal Inst. of Technology (KTH)
Approved, 9 days GPD
- 20152162 Pressure driven magnetic phase transitions in AM₂P₂ (122)-type compounds: PART II
Martin Mansson, Royal Inst. of Technology (KTH)
Approved, 2 days Dolly
- 20152026 Negative muon spin rotation study of boron acceptor center in synthetic single-crystal diamond
Tair Mamedov, Joint Inst. for Nuclear Research
Approved, 8 days HAL-9500
- 20152029 Re-investigation of magnetic phase diagram of Na_xCoO₂ using the samples prepared by an electrochemical reaction: PART II
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 3 days GPS
- 20152038 Is magnetism relevant for cuprate superconductivity; measuring TN in LnBa₂Cu₃O_y
Amit Keren, The Israel Inst. of Technology - Technion
Approved, 3 days GPS
- 20152042 μ SR study of the magnetic phase diagram of hole doped Ba_{1-x}(K,Na)_xFe₂As₂ single crystals
Christian Bernhard, Univ. Fribourg
Approved, 3 days GPS
- 20152043 Penetration Depth Measurement of LSCO 1/8
Amit Keren, The Israel Inst. of Technology - Technion
Approved, 5 days LEM
- 20152052 Magnetic Ground State of La₂CuO₄/LaAlO₃ Superlattices - Continuation
Andreas Suter, Paul Scherrer Institut
Approved, 4 days LEM
- 20152054 Study of the strain induced magnetic phase segregation in manganite thin films using low energy muon spectroscopy
Pedro A Algarabel, Inst. de Ciencia de Materiales de Aragon, Univ de Zaragoza - CSIC
Approved, 5 days LEM
- 20152058 A New Triangular Lattice Quantum Spin Liquid: the Ag Analogue of κ -(ET)₂Cu₂(CN)₃
Francis L Pratt, Rutherford Appleton Lab.
Approved, 5 days HAL-9500
- 20152060 Role of the Mn-Fe substitution in deteriorating the magnetic order in SmFeAsO
Gianrico Lamura, Consiglio Nazionale delle Ricerche/CNR-SPIN
Refused, 0 days GPS
- 20152068 Probing spin currents generated by spin Hall effect with muons
Alain Yaouanc, CEA, Grenoble
Approved, 4 days LEM
- 20152073 Shallow-to-deep instability of muonium in wide-gap perovskite oxides II
Takashi U. Ito, Japan Atomic Energy Agency
Approved, 3 days Dolly

- 20152085 Pressure induced successive magnetic transitions in Cr hollandite
Jun Sugiyama, Toyota Central R&D Labs., Inc.
Approved, 5 days GPD
- 20152091 Odd-frequency spin-triplet superconductivity in Ferromagnetic- Superconducting Devices
Stephen L Lee, Univ. of St. Andrews
Approved, 10 days LEM
- 20152092 Magnetic relaxation processes in artificial xy-spin systems with controlled disorder
Naemi Leo, Paul Scherrer Institut
Approved, 5 days LEM
- 20152102 Pressure-temperature phase diagram of Yb₂Pd₂In(1-x)Sn(x) by muSR spectroscopy
Gianrico Lamura, Consiglio Nazionale delle Ricerche/CNR-SPIN
Approved, 7 days GPD
- 20152171 Pressure-temperature phase diagram of Yb₂Pd₂In(1-x)Sn(x) by muSR spectroscopy
Gianrico Lamura, Consiglio Nazionale delle Ricerche/CNR-SPIN
Approved, 2 days Dolly
- 20152118 Mechanism of magnetically-driven multiferroicity in the frustrated magnet Rb₂Cu₂Mo₃O₁₂
Jonathan S White, Paul Scherrer Institut
Approved, 6 days HAL-9500
- 20152183 Mechanism of magnetically-driven multiferroicity in the frustrated magnet Rb₂Cu₂Mo₃O₁₂
Nicole M Reynolds, Paul Scherrer Institut
Approved, 2 days GPS
- 20152120 Mapping Local Magnetic and Electric Fields within an Organic Light Emitting Diode
Francis L Pratt, Rutherford Appleton Lab.
Approved, 4 days LEM
- 20152158 Mapping Local Magnetic and Electric Fields within an Organic Light Emitting Diode
Francis L Pratt, Rutherford Appleton Lab.
Approved, 1 days Dolly
- 20152123 Artificial high magnetization materials from antiferromagnetic clusters
Jiabao Yi, Univ. of New South Wales
Refused, 0 days LEM
- 20152124 High-Field MuSR Study of the Possible Ferromagnetic States in Non-Superconducting Heavily Overdoped Bi-2201 Cuprates
Tadashi Adachi, Sophia Univ.
Approved, 5 days HAL-9500
- 20152126 Carbon-Based Spin Storage
Oscar Cespedes, Univ. of Leeds
Approved, 6 days LEM
- 20152139 Field-induced phase transition in the Heisenberg-Kitaev material alpha-RuCl₃
WonJun Lee, Chung-Ang University
Approved, 5 days HAL-9500
- 20152169 Investigation of superconducting spin symmetry and anomalous field-induced magnetism in heavy fermion superconductor CePt₃Si lacking inversion center
Wataru Higemoto, Japan Atomic Energy Agency
Approved, 3 days HAL-9500
- 20152172 Investigation of superconducting spin symmetry and anomalous field-induced magnetism in heavy fermion superconductor CePt₃Si lacking inversion center
Wataru Higemoto, Japan Atomic Energy Agency
Approved, 1 days GPS

- 20152173 Monopolar magnetic fields at magnetoelectric surfaces
Michael Fechner, ETH Zuerich
Approved, 7 days LEM
- 20152178 Superconducting-Molecular Interfaces
Oscar Cespedes, Univ. of Leeds
Refused, 0 days LEM
- 20152179 Dynamics of surface spins in magnetic single domain nanoparticles
Martina Basini, Univ. degli Studi di Milano
Approved, 2 days GPS