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 $\mu$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 YBa(2)Cu(3)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 Sr2CuTe1-xWxO6  
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 CeCoGe$_2$.2Si$_0$.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 BaPt0.85As0.9
Tian Shang, Paul Scherrer Institut
Approved, 3 days LTF

20161749 Magnetic order parameter, magnetic dynamics and magnetic moment of Ir in Sr2B IrO6 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)-Brx4SC(NH2)2: the critical bond disorder case
Alexandra Mannig, ETH Zuerich
Approved, 4 days LTF

20161845 NiCl2(1-x)-Brx4SC(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 μSR investigation of the magnetic skyrmions in SrIrO3/SrRuO3 heterostructure
Zhiming Wang, Paul Scherrer Institut
Approved, 4 days LEM

20161912 Low-energy μSR 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 Sr2Ir1-xPtxO4
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 La0.825Sr0.125MnO3
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 Astutti, Hokkaido Univ.
Approved, 2 days Dolly

20161916 Magnetic Ordering and Spin Dynamics driven by p-orbital in Alkali Metal Superoxide, RbO2 and NaO2
Fahmi Astutti, Hokkaido Univ.
Refused, 0 days GPS

20161800 Investigation of magnetic orders on a quantum phase transition in (Y1-xCax)2Ir2O7
Retno Asih, RIKEN
Refused, 0 days Dolly

20161924 Investigation of magnetic orders on a quantum phase transition in (Y1-xCax)2Ir2O7
Retno Asih, RIKEN
Refused, 0 days GPS

20161801 Magnetic Interaction and Spin Tomonaga Luttinger Liquid in the p-Orbital Antiferromagnet, Cs1-xRbxO2 and Cs1-xKxO2 (x=0.05 ; 0.1)
Fahmi Astutti, Hokkaido Univ.
Refused, 0 days GPS

20161917 Magnetic Interaction and Spin Tomonaga Luttinger Liquid in the p-Orbital Antiferromagnet, Cs1-xRbxO2 and Cs1-xKxO2 (x=0.05 ; 0.1)
Fahmi Astutti, 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 μSR study of the non-centrosymmetric superconductor LaPtGe
Tian Shang, Paul Scherrer Institut
Approved, 3 days LTF

20161807 μSR 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 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 μSR 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 CaKFe_4As_4
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

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 Iridates
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
Comparision of Pairing Symmetry in Topological Superconductor Sr$_{0.1}$Bi$_2$Se$_3$ and topological crystalline superconductor Sn$_{0.5}$In$_{0.5}$Te
Satyabrata Patnaik, Jawaharlal Nehru Univers.
Approved, 3 days LTF

Comparision of Pairing Symmetry in Topological Superconductor Sr$_{0.1}$Bi$_2$Se$_3$ and topological crystalline superconductor Sn$_{0.5}$In$_{0.5}$Te
Satyabrata Patnaik, Jawaharlal Nehru Univers.
Approved, 3 days GPS

Magnetic and superconducting properties of FeSe$_{1-x}$Sx (x=0.2) in comparison to other iron-chalcogenides
Stefan P. Holenstein, Univ. Zuerich
Approved, 2 days GPS

Magnetic and superconducting properties of FeSe$_{1-x}$Sx (x=0.2) in comparison to other iron-chalcogenides
Stefan P. Holenstein, Univ. Zuerich
Approved, 8 days GPD

Search for spin liquid ground state in the disordered double perovskite BaTi$_{0.5}$Mn$_{0.5}$O$_3$
Rajib Sarkar, Technische Univ. Dresden
Approved, 2 days LTF

Search for spin liquid ground state in the disordered double perovskite BaTi$_{0.5}$Mn$_{0.5}$O$_3$
Rajib Sarkar, Technische Univ. Dresden
Approved, 2 days GPS

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

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

µSR investigation on the triangular lattice iridate Ba$_3$LuIr$_2$O$_9$
Tusharkanti Dey, Univ. Augsburg
Approved, 3 days LTF

µSR investigation on the triangular lattice iridate Ba$_3$LuIr$_2$O$_9$
Tusharkanti Dey, Univ. Augsburg
Approved, 2 days GPS

Magnetic ground state of linarite as studied by muSR
Stefan Suellow, Techn. Univ. Braunschweig
Refused, 0 days GPS
20161869  Pressure dependent µSR 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, Ge1-xMnxTe  
Isao  Watanabe, RIKEN  
Refused, 0 days Dolly

20161910  Magnetic Ordered State of Diluted Magnetic Semiconductor, Ge1-xMnxTe  
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(As1-xPx)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 BaGd2-xEuxO4
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 MoTe1.8S0.2: Pressure dependent studies
Zurab Guguchia, Columbia Univ.
Approved, 5 days GPD
20161948  Probing the microscopic superconducting properties of Weyl Semimetal Candidate MoTe1.8S0.2: 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
**LIST OF PSI π /μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2017**

### PSI 590 MeV Program 2017

<table>
<thead>
<tr>
<th>Week number</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
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<td>Availability</td>
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**Table:**

- **PM3:** MuSR (GPS/BTLF)
- **PE3:** MuSR high field
- **Muelle:** MuSR (GPS)
- **PE1:** MuSR (LEM)
- **PE1-1:** MuSR (Dolly)
- **PM3:** Neutron (PSP)
- **PE1-2:** R-18-01.1 (MuX)
- **PE2:** R-16-02.1 (HyperMu)
- **PE3:** R-16-02.1 (MuCool)
- **UCN:** R-16-03.1 (nEDM)
- **PM1:** R-12-03.1 (MuSE)
- **Praktikum:** R-12-01.2 (MUSE)
- **CMS:** Diamond Detectors
- **CMS:** Cluster Counting
- **MC:** Micro Rotor
- **Irradiation:**

**Week 19:**
- May 20: Amato (coord.)
- June 21: Knecht
- July 22: Amato (coord.)
- August 23: Prokscha (coord.)
- September 24:
- October 25:
- November 26:
- December 27:

**Week 21:**
- May 28: Amato (coord.)
- June 29: Knecht
- July 30: Amato (coord.)
- August 31: Knecht
- September 3:
- October 4:
- November 5:
- December 6:

**Week 22:**
- May 31:
- June 1:
- July 2:
- August 3:
- September 4:
- October 5:
- November 6:
- December 7:

**Week 23:**
- May 8:
- June 9:
- July 10:
- August 11:
- September 12:
- October 13:
- November 14:
- December 15:

**Week 24:**
- May 15:
- June 16:
- July 17:
- August 18:
- September 19:
- October 20:
- November 21:
- December 22:

**Week 25:**
- May 22:
- June 23:
- July 24:
- August 25:
- September 26:
- October 27:
- November 28:
- December 29:

**Week 26:**
- May 29:
- June 30:
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- August 2:
- September 3:
- October 4:
- November 5:
- December 6:

**Week 27:**
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- June 1:
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- August 3:
- September 4:
- October 5:
- November 6:
- December 7:

**Week 28:**
- May 8:
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- July 10:
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- December 15:

**Week 29:**
- May 15:
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- July 17:
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- September 19:
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- November 21:
- December 22:

**Week 30:**
- May 22:
- June 23:
- July 24:
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- December 29:

**Week 31:**
- May 29:
- June 30:
- July 1:
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- September 3:
- October 4:
- November 5:
- December 6:

**Week 32:**
- May 31:
- June 1:
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- December 7:

**Week 33:**
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- June 9:
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- November 14:
- December 15:

**Week 34:**
- May 15:
- June 16:
- July 17:
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- September 19:
- October 20:
- November 21:
- December 22:

**Week 35:**
- May 22:
- June 23:
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- October 27:
- November 28:
- December 29:

**Week 36:**
- May 29:
- June 30:
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- September 3:
- October 4:
- November 5:
- December 6:

**Week 37:**
- May 31:
- June 1:
- July 2:
- August 3:
- September 4:
- October 5:
- November 6:
- December 7:

**Week 38:**
- May 8:
- June 9:
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- November 14:
- December 15:

**Week 39:**
- May 15:
- June 16:
- July 17:
- August 18:
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- October 20:
- November 21:
- December 22:

**Week 40:**
- May 22:
- June 23:
- July 24:
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- September 26:
- October 27:
- November 28:
- December 29:

**Week 41:**
- May 29:
- June 30:
- July 1:
- August 2:
- September 3:
- October 4:
- November 5:
- December 6:

**Week 42:**
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**Week 43:**
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- June 9:
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- November 14:
- December 15:

**Week 44:**
- May 15:
- June 16:
- July 17:
- August 18:
- September 19:
- October 20:
- November 21:
- December 22:

**Week 45:**
- May 22:
- June 23:
- July 24:
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- October 27:
- November 28:
- December 29:

**Week 46:**
- May 29:
- June 30:
- July 1:
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- September 3:
- October 4:
- November 5:
- December 6:

**Week 47:**
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- December 7:

**Week 48:**
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- June 9:
- July 10:
- August 11:
- September 12:
- October 13:
- November 14:
- December 15:

**Week 49:**
- May 15:
- June 16:
- July 17:
- August 18:
- September 19:
- October 20:
- November 21:
- December 22:

**Week 50:**
- May 22:
- June 23:
- July 24:
- August 25:
- September 26:
- October 27:
- November 28:
- December 29:

**Week 51:**
- May 29:
- June 30:
- July 1:
- August 2:
- September 3:
- October 4:
- November 5:
- December 6:

**Week 52:**
- May 31:
- June 1:
- July 2:
- August 3:
- September 4:
- October 5:
- November 6:
- December 7:
### 1. New Proposals

<table>
<thead>
<tr>
<th>Proposal No.</th>
<th>Spokesmen</th>
<th>Email</th>
<th>Experiment</th>
<th>Beam request</th>
<th>Area</th>
<th>Referees</th>
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<tbody>
<tr>
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</table>

### 2. Progress Reports and Beam Requests

<table>
<thead>
<tr>
<th>Proposal No.</th>
<th>Spokesmen</th>
<th>Email</th>
<th>Experiment</th>
<th>Beam request</th>
<th>Area</th>
<th>Referees</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-99-05.2</td>
<td>T. Mori</td>
<td><a href="mailto:mori@icepp.s.u-tokyo.ac.jp">mori@icepp.s.u-tokyo.ac.jp</a></td>
<td>Search for $\mu^+ \rightarrow e^+\gamma$ (MEG II collaboration)</td>
<td>27 weeks</td>
<td>$\pi$E5</td>
<td>approved</td>
</tr>
<tr>
<td></td>
<td>A. Baldini</td>
<td><a href="mailto:baldini@pi.infn.it">baldini@pi.infn.it</a></td>
<td>Detector tests</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>R-05-03.1</td>
<td>K. Kirch</td>
<td><a href="mailto:klaus.kirch@psi.ch">klaus.kirch@psi.ch</a></td>
<td>Measurement of the Neutron Electronic Dipole Moment nEDM</td>
<td>all available UCN beam time</td>
<td>UCN</td>
<td>approved</td>
</tr>
<tr>
<td></td>
<td>S. Roccia</td>
<td><a href="mailto:stephanie.roccia@csnsm.in2p3.fr">stephanie.roccia@csnsm.in2p3.fr</a></td>
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</tr>
<tr>
<td>R-12-01.2</td>
<td>R. Gilman</td>
<td><a href="mailto:rgilman@physics.rutgers.edu">rgilman@physics.rutgers.edu</a></td>
<td>Studying the Proton &quot;Radius&quot; Puzzle with $\mu$p Elastic Scattering (MUSE collaboration)</td>
<td>3 weeks + 12 weeks</td>
<td>$\pi$M1</td>
<td>conditionally approved</td>
</tr>
<tr>
<td>R-12-03.1</td>
<td>A. Schoening</td>
<td><a href="mailto:andre.schoening@desy.de">andre.schoening@desy.de</a></td>
<td>Search for the Decay $\mu \rightarrow eee$ (Mu3e collaboration)</td>
<td>4 weeks + 3 weeks tests</td>
<td>$\pi$E5</td>
<td>approved</td>
</tr>
<tr>
<td></td>
<td>St. Ritt</td>
<td><a href="mailto:stefan.ritt@psi.ch">stefan.ritt@psi.ch</a></td>
<td></td>
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<tr>
<td>Experiment ID</td>
<td>Investigator</td>
<td>Email Address</td>
<td>Experiment Title</td>
<td>Duration</td>
<td>Priority</td>
<td>Status</td>
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<tr>
<td>R-14-02.1</td>
<td>A. Antognini</td>
<td><a href="mailto:aldo@phys.ethz.ch">aldo@phys.ethz.ch</a></td>
<td>MuCool</td>
<td>4 weeks</td>
<td>πE1-1</td>
<td>approved</td>
</tr>
<tr>
<td>R-16-01.1</td>
<td>A. Knecht</td>
<td><a href="mailto:a.knecht@psi.ch">a.knecht@psi.ch</a></td>
<td>Measurement of the charge radius of radium (muX)</td>
<td>2 weeks</td>
<td>πE1-2</td>
<td>approved</td>
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<tr>
<td>R-16-02.1</td>
<td>A. Antognini</td>
<td><a href="mailto:aldo@phys.ethz.ch">aldo@phys.ethz.ch</a></td>
<td>Hyperfine Splitting in Muonic Hydrogen and Helium</td>
<td>2 weeks</td>
<td>πE5</td>
<td>approved</td>
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<tr>
<td></td>
<td>F. Wauters</td>
<td><a href="mailto:fwauters@uni-mainz.de">fwauters@uni-mainz.de</a></td>
<td>2s-1s</td>
<td>2 weeks</td>
<td>πE1-2</td>
<td>approved</td>
</tr>
<tr>
<td></td>
<td>A. Knecht</td>
<td><a href="mailto:a.knecht@psi.ch">a.knecht@psi.ch</a></td>
<td>Test of muonium production</td>
<td>2 weeks</td>
<td>πE1-1</td>
<td>approved</td>
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</tbody>
</table>
### BVRA-2076 list of Continued μSR experiments

<table>
<thead>
<tr>
<th>Experiment ID</th>
<th>Description</th>
<th>Investigator</th>
<th>Approval Status</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>20161748</td>
<td>High-pressure μSR study of superconductivity and Eu2+-antiferromagnetism in Ca-substituted EuFe2As2</td>
<td>Lan M Tran, Inst. of Low Temperature and Structure Research of the Polish Academy of Sciences</td>
<td>Refused</td>
<td>0 days</td>
</tr>
<tr>
<td>20161753</td>
<td>The relations between doping, structure, and the super-exchange interaction; magnetic measurements on the Lanthanide series LnBa2Cu3Oy</td>
<td>Amit Keren, The Israel Inst. of Technology - Technion</td>
<td>Approved</td>
<td>3 days</td>
</tr>
<tr>
<td>20161762</td>
<td>Magnetic phases in the double perovskites La2-xCaxCoIrO6 (x=0.2,0.8) and La1.5A0.5CoMnO6 (A=Ca,Sr,Ba)</td>
<td>Jochen Litterst, Techn. Univ. Braunschweig</td>
<td>Approved</td>
<td>3 days</td>
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<tr>
<td>20161765</td>
<td>Cycloidal, short range ordered cycloidal, and ferromagnetic phases in the lacunar spinels GaV4S8, GaV4Se8, and GaMo4S8</td>
<td>Jochen Litterst, Techn. Univ. Braunschweig</td>
<td>Refused</td>
<td>0 days</td>
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<tr>
<td>20161776</td>
<td>Proximity-Induced Antiferromagnetic Correlations in SmTiO3/SrTiO3/SmTiO3 quantum well structures</td>
<td>Michael J Graf, Boston College</td>
<td>Approved</td>
<td>4 days</td>
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<tr>
<td>20161798</td>
<td>Probing of the low-temperature Nd ordering in the hole-doped pyrochlore iridates (Nd1-xCax)2Ir2O7 by means of μSR study</td>
<td>Retno Asih, RIKEN</td>
<td>Approved</td>
<td>3 days</td>
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<tr>
<td>20161927</td>
<td>Probing of the low-temperature Nd ordering in the hole-doped pyrochlore iridates (Nd1-xCax)2Ir2O7 by means of μSR study</td>
<td>Retno Asih, RIKEN</td>
<td>Refused</td>
<td>0 days</td>
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<tr>
<td>20161802</td>
<td>Two-dimensional triangular lattice in cluster magnets, Li2ScMo3O8 &amp; Li2InMo3O8, PART II</td>
<td>Jun Sugiyama, Toyota Central R&amp;D Labs., Inc.</td>
<td>Approved</td>
<td>8 days</td>
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<tr>
<td>20161934</td>
<td>Two-dimensional triangular lattice in cluster magnets, Li2ScMo3O8 &amp; Li2InMo3O8, PART II</td>
<td>Jun Sugiyama, Toyota Central R&amp;D Labs., Inc.</td>
<td>Approved</td>
<td>1 days</td>
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<tr>
<td>20161808</td>
<td>Antiferromagnetic ordering in multi-orbital molecular systems [Au(tmdt)2] and [Cu(tmdt)2]</td>
<td>Rina Takagi, RIKEN</td>
<td>Approved</td>
<td>3 days</td>
</tr>
</tbody>
</table>
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 μSR 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 μSR
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
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 Ba1-xKxFe2As2
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 μSR study of an oxygen-free iron-based superconductor
Toni Shiroka, ETH Zuerich
Approved, 7 days GPD
20161744  High-pressure μSR 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-Tc CrxSb2-xTe3 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 FeSe1-xSx single crystals
Vadim Grinenko, Technische Univ. Dresden
Approved, 4 days HAL-9500

20161949  The relation between nematicity, quasi-static magnetism and superconductivity in FeSe1-xSx 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