

PSI, Villigen
March 8, 2022

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 53 AT PSI
March 8, 2022**

present: Dr. A. Amato (Chair)
Prof. Dr. K. Kirch
Dr. T. Prokscha
Dr. M. Seidel
Dr. S. Ritt (Secretary)

excused: Prof. Dr. C. Rüegg
Prof. Dr. M. Stampanoni
Prof. Dr. B. Filippone
Prof. Dr. S.J. Blundell

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).

2. Beam schedules

The 590 MeV ring accelerator is scheduled for 31 weeks of high intensity beam production from May 2 to December 22, 2022. A schedule has been worked out which satisfies most beam requests.

As usual, the beam schedules 2022 will be regularly updated and are displayed on the internet:

- <https://www.psi.ch/de/sbl/schedules> for the general schedule
- <https://www.psi.ch/en/smus/beamtime-schedule> for the μ SR detailed schedule

3. Varia

The next meeting BVR 54 is scheduled for January 23-25, 2023. The first day is reserved for detailed reviews as usual. The deadline for beam requests, new proposals and addenda is January 9, 2023. Users are requested to make electronic submissions of their documents.

The dates for the next meeting BVRA-2023 are not fixed yet.

Attachments

- PSI 590 MeV HE Program 2022 can also be found on <https://www.psi.ch/de/sbl>
- BV53 list of PSI HE experiments
- BVRA-22 List of New μ SR experiments
- BVRA-22 List of continued μ SR experiments
- the short minutes with recommendations of the scientific committee for particle physics experiments can be found at <https://www.psi.ch/de/sbl/previous-user-meetings>

PSI 509 MeV Program 2022

Beam Schedule 2022

				April							May							June							July							August							September							October							November							December						
		Month		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51																									
Last update:		3/9/2022 9:41:21		Availability																																																														
		Days		Start (Monday)																																																														
		End (Sunday)		End (Sunday)																																																														
Area	Experiment	PSI Contact																																																																
PiM3	MuSR (GPS<F)	Amato	Amato (coord.)																																																															
PIE3	MuSR high field	Scheuermann	Scheuermann (coord.)																																																															
MuE1	MuSR (GPD)	Amato	Amato (coord.)																																																															
MuE4	MuSR (LEM)	Prokscha	Prokscha (coord.)																																																															
PIE1-1	MuSR (Dolly)	Amato	Amato (coord.)																																																															
	MIXE	Amato	Amato/Knecht																																																															
PIE1-2	R-08-01.3 muCF	Knecht	Kravchenko																																																															
	R-16-01.1 muX	Knecht	Knecht																																																															
	R-20-01.1 OMC4DBD	Knecht	Zinatulina																																																															
	R-21-02.1 muon EDM	Schmidt-Wellenb.	Schmidt-Wellenb.																																																															
	R-21-03.1 Anvil	Antognini	Knaian																																																															
	R-22-02.1 LEMING	Antognini	Soter																																																															
	R-22-03.1 ETD	Antognini	Landman																																																															
PIE5	R-99-05.2 MEG	Papa	Mori																																																															
	R-12-03.1 Mu3E	Meier	Schoening																																																															
	R-16-02.1 HyperMu	Antognini	Antognini																																																															
	R-22-01.1 PIONEER	Knecht	Kammel																																																															
	muSR Pixel	Meier	Meier																																																															
UCN-S	R-05-03.1 n2EDM	Lauss	Lauss																																																															
UCN-W1	R-21-01.1 Mirror Neutrons	Lauss	Lauss																																																															
UCN-W1	Detector and Storage Tests	Lauss	Ries																																																															
PiM1	R-12-03.1 Mu3E	Meier	Schoening																																																															
	R-12-01.2 MUSE	Reggiani	Downie																																																															
	Praktikum ETHZ	Antognini	Antognini																																																															
	Praktikum UZH	Meier	Caminada																																																															
	TIMESPOT	Meier	Cardini																																																															
	CMS Diamond	Meier	Hits																																																															
	R-21-02.1 muon EDM	Meier	Schmidt-Wellenb.																																																															

BV53 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2022

1. New Proposals						
Proposal No.	Spokesperson	Email	Experiment	Request	Area	Granted
R-22-01.1	D. Bryman	doug@triumf.ca	PIONEER	2 w	piE5	2 w
	D. Hertzog	hertzog@uw.edu				
	T. Mori	mori@icepp.s.u-tokyo.ac.jp				
R-22-02.1	A. Soter	anna.soter@psi.ch	LEMING	3 w	piE1	2.5 w
R-22-03.1	H. Landman	howardandrewlandman@gmail.com	ETD	2.5 w	piE1	0
2. Progress Reports and Beam Requests						
Proposal No.	Spokesperson	Email	Experiment	Request	Area	Granted
R-99-05.2	T. Mori	mori@icepp.s.u-tokyo.ac.jp	MEG II	27 w	piE5	
	A. Baldini	baldini@pi.infn.it				
R-05-03.1	B. Lauss	bernhard.lauss@psi.ch	n2EDM	All	UCN South	All
R-08-01.2	P. Kravchenko	kravchenko_pv@pnpi.nrcki.ru	muCF d3He	4+2 w	piE1	5 w
R-12-01.2	R. Gilman	rgilman@physics.rutgers.edu	MUSE	6 m	piM1	18.5 w
	E. Downie	edownie@gwu.edu				
R-12-03.1	A. Schoening	andre.schoening@desy.de	Mu3e	6 w + 7 w	piM1 + piE5	
	S. Ritt	stefan.ritt@psi.ch				
R-16-01.1	A. Knecht	a.knecht@psi.ch	muX	3 w	piE1	2.5 w
R-20-01.1	D. Zinatulina	zinatulina@jinr.ru	OMC4BDB	5 w	piE1	2.5 w
R-21-01.1	B. Lauss	bernhard.lauss@psi.ch	mirrorN	2 w	UCN W1	2 w
R-21-02.1	P. Schmidt-Wellenburg	philipp.schmidt-wellenburg@psi.ch	muonEDM	1+1 w	piE1 + piM1	1 + 1 w
R-21-03.1	A. Knaian	ara@nklabs.com	Anvil	4 w	piE1	2 w

BV53 LIST OF PSI π / μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2022

3. Test Beam Requests						
	Spokesperson	Email	Experiment	Request	Area	Granted
	A. Cardini	alessandro.cardini@cern.ch	Timespot	1 w	piM1	1 w
	D. Hits	dmitry.hits@phys.ethz.ch	CMS Diamond Detectors	2x1 week	piM1	1 w
	F. Meier	frank.meier@psi.ch	muSR Pixel	1 w	piE5	
	D. Ries	d.ries@uni-mainz.de	UCN Detector	2 w	UCN W1/2	2 w
	D. Ries	d.ries@uni-mainz.de	UCN Storage	2 w	UCN W1	2 w
4. Lab Courses						
	Spokesperson	Email	Experiment	Request	Area	Granted
	A. Antognini	aldo@phys.ethz.ch	HD-MZ-ETH	2 weeks	piM1	2 w
	L. Caminada	lea.caminada@psi.ch	Uni Zurich	2 weeks	piM1	2 w

BVRA-2022 list of New μ SR experiments

- 20212960 Antiferromagnetic ordering in strained SrCrO₃ thin films
Jöhr, Simon
Univ. Zuerich
Accepted. 3 days LEM
- 20212962 Magnetic fluctuations in the van der Waals magnet NiI₂
Lancaster, Tom
Univ. of Durham
Accepted. 2 days GPS
- 20212967 Magnetic ordering in the alkali intercalated 2-dimensional triangular lattice single crystal LiCrTe₂
Nocerino, Elisabetta
Royal Inst. of Technology (KTH)
Accepted. 2 days GPS
- 20212969 Itinerant antiferromagnetism in bulk and thin film RuO₂
Moser, Simon
Univ. Wuerzburg
Accepted. 2 days LEM
- 20212971 Itinerant antiferromagnetism in bulk and thin film RuO₂
Moser, Simon
Univ. Wuerzburg
Accepted. 1 days GPS
- 20212979 Field-induced spin-liquid-like state in the S=1/2 honeycomb antiferromagnet Na₂Co₂TeO₆
Lee, Suheon
Institute for Basic Science (IBS)
Accepted. 1 days GPS
- 20212980 Zero-field quantum spin liquid and quantum criticality in the Ising-like S=1/2 chain Sr₂Co(SeO₃)₃
Lee, Suheon
Institute for Basic Science (IBS)
Accepted. 6 days HAL-9500
- 20212981 Zero-field quantum spin liquid and quantum criticality in the Ising-like S=1/2 chain Sr₂Co(SeO₃)₃
Lee, Suheon
Institute for Basic Science (IBS)
Accepted. 2 days Dolly
- 20212983 Field-orientation-dependent magnetic phases in GdRu₂Si₂
Huddart, Benjamin M
Univ. of Durham
Accepted. 5 days HAL-9500

BVRA-2022 list of New μ SR experiments

- 20212995 Low Energy Muon Spectroscopy for investigation of diffusion of lithium in epitaxial NMC-811 thin films and effect of Al₂O₃ surface coating
Dutton, Sian E
Univ. of Cambridge
Accepted. 4 days LEM
- 20212996 μ SR study of unconventional magnetic orders and related quantum effects in the kagome spin ice HoAgGe
Zhao, Kan
Beihang University
Accepted. 2 days Dolly
- 20213000 Investigations of spin order and dynamics in the EuCd₂P₂ antiferromagnet
Shang, Tian
East China Normal University (ECNU)
Accepted. 2 days GPS
- 20213003 Nature of the spin-liquid ground state in the Ising triangular antiferromagnet NdTa₇O₁₉
Zorko, Andrej
Jozef Stefan Inst.
Accepted. 4 days HAL-9500
- 20213005 Local magnetic structure in EuNi₂P₄ and EuCu₄P₃
Plokhikh, Igor
Paul Scherrer Institut
Accepted. 2 days GPS
- 20213008 Magnetic ground states and excitations in two-dimensional molecule-based magnets containing S=2 spins
Lancaster, Tom
Univ. of Durham
Accepted. 1 days Dolly
- 20213010 Investigation of magnetic frustration in Cu₃LiIr₂O₆ and Cu₃NaIr₂O₆
Bhattacharyya, Amitava
Ramakrishna Mission Vivekananda Educational and Research Institute
Accepted. 2 days GPS
- 20213017 Magnetic ground state of the honeycomb antiferromagnet BaCo₂(P_{1-x}V_x)₂O₈
Yamauchi, Ichihiro
Saga Univ.
Accepted. 2 days GPS
- 20213027 μ SR study of magnetic and anisotropic superconducting properties in CeRu₂
Shu, Lei
Fudan Univ.
Accepted. 2 days Dolly

BVRA-2022 list of New μ SR experiments

- 20213028 MuSR investigation of magnetic properties in $\text{LnO}_{0.5}\text{F}_{0.5}\text{BiS}_2$ (Ln= Ce, Pr, Nd)
Shu, Lei
Fudan Univ.
Accepted. 3 days Dolly
- 20213029 Magnetic Order and Spin Dynamics in the Strong-Leg Quantum Spin Ladder
(CPA) 2CuBr_4
Mansson, Martin
Royal Inst. of Technology (KTH)
Accepted. 2 days Dolly
- 20213035 Study of multiple magnetic phase transitions of Ce_2Te_5 using muon spin rotation and relaxation
Adroja, Devashibhai T
Rutherford Appleton Lab.
Accepted. 2 days Dolly
- 20213036 μ SR study on new nickelate superconductors: infinite-layer films $\text{Nd}_{0.8}\text{Sr}_{0.2}\text{NiO}_2$
Leng, Huaqian
University of Electronic Science and Technology of China
Accepted. 4 days LEM
- 20213040 $\text{Ba}_3\text{ErB}_9\text{O}_{18}$: A new quantum spin-liquid candidate on a triangular lattice
Shiroka, Toni
ETH Zuerich & Paul Scherrer Institut
Accepted. 1 days Dolly
- 20213042 Search for ferromagnetic quantum critical point in heavy-fermion Kondo lattice
 CeCrGe_3 under hydrostatic pressure
Das, Debarchan
Paul Scherrer Institut
Accepted. 1 days GPS
- 20213043 Exploring the anisotropy and pressure dependence of the superconducting gaps and superfluid density in the multi gap topological superconductor α -PdBi
Das, Debarchan
Paul Scherrer Institut
Accepted. 7 days GPD
- 20213045 $\text{Ba}_3\text{ErB}_9\text{O}_{18}$: A new quantum spin-liquid candidate on a triangular lattice
Shiroka, Toni
ETH Zuerich & Paul Scherrer Institut
Accepted. 1 days HAL-9500
- 20213047 Exploring the anisotropy and pressure dependence of the superconducting gaps and superfluid density in the multi gap topological superconductor α -PdBi
Das, Debarchan
Paul Scherrer Institut
Accepted. 2 days Dolly

BVRA-2022 list of New μ SR experiments

- 20213049 Nature of the strain induced magnetism in the delafossite PdCoO₂ films
Gardner, Jason S
National Synchrotron Radiation Research Center
Accepted. 4 days LEM
- 20213050 Characterising proximity effects between spin ice nanomagnets and a thin film
superconductor
Stewart, Rhea
ETH Zuerich - Paul Scherrer Institut
Accepted. 6 days LEM
- 20213051 Dynamics of Copper within Zeolite Mordenite
Skukauskas, Vainius
Univ. of Glasgow
Accepted. 2 days GPS
- 20213058 Magnetic structure in chiral antiferromagnets
Krieger, Jonas A
Max-Planck-Inst. Halle
Accepted. 2 days GPS
- 20213061 μ SR study of the Yb³⁺-based quantum magnet BiYbGeO₅ with a distorted
honeycomb lattice
Nath, Ramesh Ch
Indian Institute of Science Education and Research Thiruvananthapuram (IISER-TVM)
Accepted. 4 days HAL-9500
- 20213063 Exploration of novel quantum magnetic states of a rare strongly correlated material
driven by a pure electronic correlation
Choi, Sungkyun
Institute for Basic Science (IBS)
Accepted. 2 days GPS
- 20213065 Gradual emergence of superconductivity in underdoped La_(2-x)Sr_xCuO₄
Krihaar, Kristine M. L.
Copenhagen University
Accepted. 2 days GPS
- 20213069 Understanding the Competing Orders in 2H-TaS₂ Superconductor
Elson, Frank J
Royal Inst. of Technology (KTH)
Accepted. 1 days Dolly
- 20213071 Searching for evidence for topology-induced unconventional superconductivity
Papadopoulos, Konstantinos
Chalmers Univ. of Technology
Accepted. 2 days Dolly
- 20213074 Evolution of the superconducting order parameter with doping in Cu_xBi₂Se₃
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 3 days Dolly

BVRA-2022 list of New μ SR experiments

- 20213076 Hyperfine-modulated spin canting transition and re-entrance due to nuclear spin-enhanced quantum fluctuations
Sibille, Romain
Paul Scherrer Institut
Accepted. 1 days HAL-9500
- 20213079 Quantum spin liquid state of $\text{Ba}_{3-x}\text{Ni}_x\text{Zn}_{1-x}\text{Ir}_2\text{O}_9$ in presence of randomness
Kumar, Siddharth
Indian Inst. of Science
Accepted. 3 days Dolly
- 20213080 Microscopic probing of the magnetic interaction in RNiO_2 (R=La,Pr,Nd)
Liu, Huanlong
Univ. Zuerich
Accepted. 3 days GPS
- 20213081 Magnetism of Kitaev spin-liquid candidate material RuBr_3
Sarkar, Rajib
Technische Univ. Dresden
Accepted. 2 days GPS
- 20213086 Nature of the spin-liquid ground state in the Ising triangular antiferromagnet $\text{NdTa}_7\text{O}_{19}$
Zorko, Andrej
Jozef Stefan Inst.
Accepted. 1 days GPS
- 20213087 Intertwined interactions in $\text{Ca}_{1-x}\text{Eu}_x\text{Co}_2\text{P}_2$
Forslund, Ola Kenji
Royal Inst. of Technology (KTH)
Accepted. 1 days GPS
- 20213088 The nature of superconductivity and the Tomonaga-Luttinger liquid in quasi-one-dimensional metal $\text{Rb}_2\text{Mo}_3\text{As}_3$
Arcon, Denis
Jozef Stefan Inst.
Accepted. 2 days GPS
- 20213093 Magnetism and magnetoelastic coupling in van der Waals materials VI_3 and VBr_3
Pospisil, Jiri
Charles University
Accepted. 2 days GPS
- 20213098 Nature of superconducting double-dome phase diagram in $\text{RbV}_3\text{Sb}_5-x\text{Sn}_x$
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 4 days GPS
- 20213103 Exotic magnetic ordering and spin dynamics in $\text{Tb}_2\text{Ru}_2\text{O}_7$
Chang, Lieh-Jeng
National Chen Kung Univ.
Accepted. 2 days GPS

BVRA-2022 list of New μ SR experiments

- 20213105 Determining the magnetic ground state of a $S=1/2$ kagome material with no orphan spins
Bert, Fabrice
Univ. Paris-Sud
Accepted. 2 days Dolly
- 20213106 Effect of electron doping on the time reversal symmetry breaking phase in the normal state of the CsV_3Sb_5 2D kagome superconductor
Sanna, Samuele
Univ. degli Studi di Bologna
Accepted. 5 days GPS
- 20213107 Probing the magnetic ordering in the layered magnetoelectric multiferroics $\text{MnSrTa}_2\text{O}_7$ and $\text{MnSrNb}_2\text{O}_7$
Blundell, Stephen J
Univ. of Oxford
Accepted. 2 days GPS
- 20213109 Probing the magnetic ground states of $(\text{Eu}_{1-x}\text{La}_x)_2\text{Ir}_2\text{O}_7$ ($x = 0.3, 0.5$) under pressure near the all-in all-out quantum critical point
Chen, Qiang
McMaster Univ.
Accepted. 8 days GPD
- 20213114 Possible cooperative paramagnetic state on a disordered 3-dimensional $S=3/2$ spin system of $\text{LaCr}_{0.3}\text{Al}_{0.7}\text{O}_3$: a μ SR study
Das Sarma, Dipankar
Indian Inst. of Science
Accepted. 1 days Dolly
- 20213116 Exploring the interplay between the magnetism and superconductivity in $2\text{H-V}_x\text{TaS}_2$
Liu, Huanlong
Univ. Zuerich
Accepted. 2 days GPS
- 20213118 Muon spin relaxation study of the single crystals of rare-earth chalcogenides AReCh_2 - candidates of quantum spin liquid
Ma, Jie
Shanghai Jiao Tong Univ.
Accepted. 2 days Dolly
- 20213120 High frequency of muonium in epitaxial 4H-SiC
Martins, Maria
ETH Zürich
Accepted. 6 days HAL-9500
- 20213124 Weyl-mediated helical magnetism
Blundell, Stephen J
Univ. of Oxford
Accepted. 1 days GPS

BVRA-2022 list of New μ SR experiments

- 20213125 Weyl-mediated helical magnetism
Blundell, Stephen J
Univ. of Oxford
Accepted. 3 days HAL-9500
- 20213126 Magnetism in the Inverse Spinel Mn_2TiO_4
Blundell, Stephen J
Univ. of Oxford
Accepted. 1 days GPS
- 20213131 Magnetism in the pyroxene compounds $MGeO_3$
Blundell, Stephen J
Univ. of Oxford
Accepted. 3 days GPS
- 20213132 Magnetism in the pyroxene compounds $MGeO_3$
Blundell, Stephen J
Univ. of Oxford
Accepted. 2 days HAL-9500
- 20213133 The double spin-chain family $PbM_2Ni_6Te_3O_{18}$ ($M = Mn, Fe, Co, Zn$)
Blundell, Stephen J
Univ. of Oxford
Accepted. 3 days GPS
- 20213134 Spin relaxation in high entropy oxides that exhibit exchange bias properties.
Gardner, Jason S
National Synchrotron Radiation Research Center
Accepted. 3 days LEM
- 20213135 Field-orientation-dependent magnetic phases in $GdRu_2Si_2$
Huddart, Benjamin M
Univ. of Durham
Accepted. 2 days GPS
- 20213137 Anomalous Magnetic Properties of the Correlated Insulator $FeSb_2$
Popiel, Nicholas J M
Univ. of Cambridge
Accepted. 1 days GPS
- 20213140 Intertwined interactions in $Ca_{1-x}Eu_xCo_2P_2$
Forslund, Ola Kenji
Royal Inst. of Technology (KTH)
Accepted. 5 days GPD
- 20213145 Nature of superconducting double-dome phase diagram in $RbV_3Sb_5-xSn_x$
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 6 days HAL-9500

BVRA-2022 list of New μ SR experiments

- 20213148 Uniaxial stress tuning of the topological Chern magnetic state in TbMn_6Sn_6
Guguchia, Zurab
Paul Scherrer Institut
Accepted. 4 days Dolly
- 20213149 Uniaxial stress tuning of the topological Chern magnetic state in TbMn_6Sn_6
Guguchia, Zurab
Paul Scherrer Institut
Accepted. 1 days GPS
- 20213150 Gaining more insight into time-reversal symmetry-breaking aspects of charge order in kagome-lattice systems KV_3Sb_5 and RbV_3Sb_5
Guguchia, Zurab
Paul Scherrer Institut
Accepted. 9 days GPD
- 20213151 Gaining more insight into time-reversal symmetry-breaking aspects of charge order in kagome-lattice systems KV_3Sb_5 and RbV_3Sb_5
Guguchia, Zurab
Paul Scherrer Institut
Accepted. 2 days LEM
- 20213155 Study of the bias-induced ionic accumulation effect in methylammonium lead iodide by low energy μ SR
Ni, Xiaojie
Paul Scherrer Institut
Accepted. 5 days LEM
- 20213156 Tuning the kagome band structure in the superconductors CsV_3Sb_5 and LaRu_3Si_2 by uniaxial strain
Mielke, Charles
Paul Scherrer Institut
Accepted. 5 days Dolly
- 20213157 Exploring the microscopic superconducting and normal state properties of novel kagome superconductor LaIr_3Ga_2
Mielke, Charles
Paul Scherrer Institut
Accepted. 1 day Dolly
- 20213160 Possible spin-liquid state in the rare-earth based kagome antiferromagnets R_3BWO_9 ($\text{R} = \text{Pr}, \text{Nd}$)
Khuntia, Panchanana
Indian Institute of Technology (IIT), Madras
Accepted. 2 days GPS
- 20213162 μ SR study of a magnetic field induced instability in the kagome antiferromagnet Zn-brochantite
Hotz, Fabian
Univ. Zuerich
Accepted. 9 days HAL-9500

BVRA-2022 list of New μ SR experiments

- 20213164 Fate of a quantum spin liquid state at the surface: a case study on Zn-barlowite using low energy muon spin relaxation/rotation
Hotz, Fabian
Univ. Zuerich
Accepted. 2 days LEM
- 20213168 Mu-MASS detection scheme
Crivelli, Paolo
ETH Zuerich
Accepted . 5 days LEM
- 20213169 From Quantum Spin Liquid to Magnetic Order in a Kagome Antiferromagnet
Simutis, Gediminas
Paul Scherrer Institut
Accepted. 4 days GPD
- 20213170 Exploring the microscopic superconducting and normal state properties of novel kagome superconductor LaIr_3Ga_2
Mielke, Charles
Paul Scherrer Institut
Accepted. 1 day GPS
- 20213172 Evolution of the normal state properties in hole-doped $\text{Cs}(\text{V}, \text{Ti})_3\text{Sb}_5$ probed using muon spin rotation spectroscopy
Wang, Chennan
Paul Scherrer Institut
Accepted. 2 days GPS
- 20213174 Evolution of the normal state properties in hole-doped $\text{Cs}(\text{V}, \text{Ti})_3\text{Sb}_5$ probed using muon spin rotation spectroscopy
Wang, Chennan
Paul Scherrer Institut
Accepted. 4 days HAL-9500
- 20212304 Investigation of GaFeO_3 magnetic order via LF- and ZF- μ SR
Szymanski, Krzysztof
Univ. of Bialystok
Refused. 0 days GPS
- 20212375 Origin of the one-dimensional behavior in a quantum-spin-liquid candidate
Shen, Yao
Brookhaven National Lab.
Refused.0 days Dolly
- 20212965 Magnetic structure and short-range spin-spin correlations in Ce_5Pb_3 , featuring triangular frustrated fragments.
Plokhikh, Igor
Paul Scherrer Institut
Refused. 0 days GPS

BVRA-2022 list of New μ SR experiments

- 20212970 High-temperature ferromagnetism in the diluted magnetic semiconductor
Shengelaia, Alexander
Univ. of Tbilisi
Refused. 0 days GPS
- 20212974 μ SR Study of Sr₃CoNb₂O₉: A Possible Quantum Spin-Liquid Candidate
Athinarayanan, Sundaresan
Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)
Refused. 0 days Dolly
- 20212976 Static and dynamic magnetism of a proposed S=2 Haldane chain compound La₄FeOS₆
Sarkar, Rajib
Technische Univ. Dresden
Refused. 0 days GPS
- 20212977 Field-induced spin-liquid-like state in the S=1/2 honeycomb antiferromagnet Na₂Co₂TeO₆
Lee, Suheon
Institute for Basic Science (IBS)
Refused. 0 days HAL-9500
- 20212982 Superfluid density in a superconducting diode
Dipl. Phys. Emily C McFarlane
Max-Planck-Inst. Halle
Refused. 0 days LEM
- 20212985 μ SR investigation of the pressure evolution of the magnetic state in the Weyl semimetal GdPtBi
Majumder, Mayukh
Shiv Nadar Univ.
Refused . 0 days GPD
- 20212987 μ SR investigation of the Transverse Magnetic Field Induced quantum criticality in a quasi-one-dimensional antiferromagnet SrCo₂V₂O₈
Majumder, Mayukh
Shiv Nadar Univ.
Refused. 0 days HAL-9500
- 20212998 Competing magnetic orders and anomalous magnetism in Se-substituted Co₃Sn₂S₂
Huddart, Benjamin M
Univ. of Durham
Refused . 0 days GPS
- 20213001 Muon-spin spectroscopy study of the newly discovered multigap Ti₄Ir₂O superconductor
Shang, Tian
East China Normal University (ECNU)
Refused. 0 days GPS

BVRA-2022 list of New μ SR experiments

- 20213002 Search for unconventional superconductivity in new non-centrosymmetric superconductors
Shang, Tian
East China Normal University (ECNU)
Refused. 0 days Dolly
- 20213016 Interplay of itinerant ferromagnetism and antiferromagnetism close to the quantum phase transition in Ni doped $\text{La}_5\text{Co}_2\text{Ge}_3$
Das, Atreyee
Ames Laboratory, USDOE, Iowa State Univ.
Refused . 0 days Dolly
- 20213019 Muon-spin spectroscopy study of the newly discovered multigap $\text{Ti}_4\text{Ir}_2\text{O}$ superconductor
Shang, Tian
East China Normal University (ECNU)
Refused . 0 days Dolly
- 20213020 Search for unconventional superconductivity in new non-centrosymmetric superconductors
Shang, Tian
East China Normal University (ECNU)
Refused . 0 days HAL-9500
- 20213023 Superconducting gap symmetry of noncentrosymmetric PbTaSe_2 under applied pressure
Shiroka, Toni
ETH Zuerich & Paul Scherrer Institut
Refused . 0 days GPD
- 20213024 Muon-spin spectroscopy study of the newly discovered non-centrosymmetric superconductor ThIrP
Shiroka, Toni
ETH Zuerich & Paul Scherrer Institut
Refused. 0 daysDolly
- 20213026 London penetration depth in the new $(\text{Ca},\text{Sr})\text{Pd}_3\text{P}$ superconductor
Lamura, Gianrico
Consiglio Nazionale delle Ricerche/CNR-SPIN
Refused. 0 days Dolly
- 20213030 Investigation of the superconducting properties of the Kagome superconductor LaIr_3Ga_2 : A muon spin rotation and relaxation study
Bhattacharyya, Amitava
Ramakrishna Mission Vivekananda Educational and Research Institute
Refused . 0 days Dolly
- 20213031 Exploring the magnetic ground state of a frustrated honeycomb layered oxide $\text{Li}_4\text{FeSbO}_6$ using muon spin relaxation experiments
Bhattacharyya, Amitava
Ramakrishna Mission Vivekananda Educational and Research Institute
Refused. 0 days GPS

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- 20213033 Effect of magnetic impurity (Ni) on the formation of QSL like state in $\text{Li}_3\text{Cu}_2\text{SbO}_6$
Bhattacharyya, Amitava
Ramakrishna Mission Vivekananda Educational and Research Institute
Refused. 0 days Dolly
- 20213041 Search for ferromagnetic quantum critical point in heavy-fermion Kondo lattice
 CeCrGe_3 under hydrostatic pressure
Das, Debarchan
Paul Scherrer Institut
Refused. 0 days GPD
- 20213044 Probing Possible Quantum Paramagnetism in Magnetically Diluted Honeycomb-
Lattice-Based Compound $\text{Li}_3\text{NiZnBiO}_6$
Athinarayanan, Sundaresan
Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)
Refused. 0 days Dolly
- 20213048 Investigating magnetism in an intrinsic magnetic topological insulator film
Chen, Yulin
Oxford Univ.
Refused. 0 days LEM
- 20213054 Double hierarchical magnetic frustration in hyperkagome magnets of Mn_3RhSi and
 Mn_3CoSi
Shamoto, Shinichi
CROSS
Refused. 0 days GPS
- 20213055 Double hierarchical magnetic frustration in hyperkagome magnets of Mn_3RhSi and
 Mn_3CoSi
Shamoto, Shinichi
CROSS
Refused. 0 days GPD
- 20213056 Hunting for surface magnetism in CsV_3Sb_5
Lee, Suheon
Institute for Basic Science (IBS)
Refused. 0 days LEM
- 20213059 Variations of Magnetic and Multiferroic Properties in CuO nanoparticles
Watanabe, Isao
RIKEN
Refused. 0 days GPS
- 20213064 Quantum disordered state in the doped Kitaev magnet $\text{Na}_3\text{Co}_{2-x}\text{Mg}_x\text{SbO}_6$
Khuntia, Panchanana
Indian Institute of Technology (IIT), Madras
Refused. 0 days Dolly

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- 20213068 Search for spin liquid ground state in the disorder free triangular lattice NaGdS₂ and LiYbS₂
Sarkar, Rajib
Technische Univ. Dresden
Refused. 0 days Dolly
- 20213070 Pressure-induced quantum phase transition in the triangular-lattice antiferromagnet Na₂BaNi(PO₄)₂
Jin, Wentao
Beihang University
Refused. 0 days GPD
- 20213077 Probe the static magnetism and dynamic spin fluctuations in (Sr₂IrO₄)_m/(SrTiO₃)_n superlattices with large magnetoelectric coupling
Hao, Sijie
Beijing Normal Univ. (BNU)
Refused. 0 days LEM
- 20213082 The origin of spontaneous magnetic fields in Sr₂RuO₄
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Refused . 0 days Dolly
- 20213083 Probing of the magnetic interaction in quasi-2D nickelates Nd₄Ni₃O₈
Huangfu, Shangxiong
Eidg. Materialpruefungs- und Forschungsanstalt Duebendorf EMPA
Refused. 0 days GPS
- 20213084 Possible spin-liquid state in the rare-earth based kagome antiferromagnets R₃BWO₉ (R = Pr, Nd)
Khuntia, Panchanana
Indian Institute of Technology (IIT), Madras
Refused. 0 days HAL-9500
- 20213085 Investigating the magnetic interactions on high-entropy layered double hydroxides
Huangfu, Shangxiong
Eidg. Materialpruefungs- und Forschungsanstalt Duebendorf EMPA
Refused. 0 days GPS
- 20213090 Investigation of the quantum spin-liquid candidate Ba₆Y₂Rh₂Ti₂O₁₇ via muon spin relaxation
Tripathi, Rajesh
Jawaharlal Nehru Centre for Advanced Scientific Research
Refused. 0 days Dolly
- 20213095 Canted Antiferromagnetism in V_{1/3}NbS₂
Wilson, Murray N
Univ. of Durham
Refused. 0 days GPS

BVRA-2022 list of New μ SR experiments

- 20213097 MuSR study of new superconductor LaIr₃G₂ with Kagome lattice
Shu, Lei
Fudan Univ.
Refused. 0 days Dolly
- 20213101 Magnetic Spin Structure of Potassium Ion Battery Materials
Elson, Frank J
Royal Inst. of Technology (KTH)
Refused. 0 days GPS
- 20213112 Exploring the interplay between the magnetism and superconductivity in 2H-VxTaS₂
Liu, Huanlong
Univ. Zuerich
Refused. 0 days Dolly
- 20213115 Magnetic ground state in a quasi-one-dimensional S= 1/2 chain compound AgCuVO₄
Pregelj, Matej
Jozef Stefan Inst.
Refused. 0 days Dolly
- 20213117 Exploring the interplay between the magnetism and superconductivity in 2H-VxTaS₂
Liu, Huanlong
Univ. Zuerich
Refused. 0 days GPD
- 20213119 MuSR studies of heavy fermion compounds CeIr₃B₂ and PrIr₃B₂ to investigate magnetic ordering
Adroja, Devashibhai T
Rutherford Appleton Lab.
Refused. 0 days GPS
- 20213121 Probing 2D superconductivity in a bulk van der Waals superlattice framework: μ SR study
Das, Debarchan
Paul Scherrer Institut
Refused. 0 days Dolly
- 20213122 Superconductivity across the BaAlSi_{1-x}Gex solid solution
Walicka, Dorota I
Univ. Zuerich
Refused. 0 days Dolly
- 20213128 Onset of magnetic order in Fe_(1-x)Co_(x)Si
Grefe, Julius
Techn. Univ. Braunschweig
Refused. 0 days GPS
- 20213138 Exploring the magnetic ground state in EuPdIn using muon spin relaxation.
Tripathi, Rajesh
Jawaharlal Nehru Centre for Advanced Scientific Research
Refused. 0 days GPS

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- 0213139 Fe nanocrystallite local magnetic ordering in thin films and magnetically tunable antiferromagnetic polarizing neutron mirrors
Zubayer, Anton
Linkoeping University
Refused. 0 days LEM
- 20213144 Pressure effects within the phase diagram of Ti substituted Sr₂RuO₄ system
Khasanov, Rustem
Paul Scherrer Institut
Refused. 0 days GPD
- 20213153 Novel magnetic kagome superconductor LaRu₃-xFexSi₂
Guguchia, Zurab
Paul Scherrer Institut
Refused. 0 days GPS
- 20213154 Novel magnetic kagome superconductor LaRu₃-xFexSi₂
Guguchia, Zurab
Paul Scherrer Institut
Refused. 0 days HAL-9500
- 20213158 Tuning the kagome band structure in the superconductors CsV₃Sb₅ and LaRu₃Si₂ by uniaxial strain
Mielke, Charles
Paul Scherrer Institut
Refused. 0 days GPS
- 20213159 Ferroquadrupolar nematic phase in S=3/2 Ru-dimer system Ba₃Zn(Ru_{1-x}Nbx)₂O₉; x=0, 0.12
Sari, Dita P
Shibaura Inst. of Technology
Refused. 0 days GP

BVRA-2022 list of Continued μ SR experiments

- 20212572 Spin freezing in Kitaev iridates exemplified by Mg-doped Li_2IrO_3
Zubtsovskii, Aleksandr
Univ. Augsburg
Accepted. 2 days GPS
Continuation of 20190309
- 20212966 Unconventional superconductivity in single crystalline YFe_2Ge_2
Chen, Jiasheng
Univ. of Cambridge
Accepted, 3 days HAL-9500
Continuation of 20202533
- 20212984 μ SR Study of the Quantum Critical Frustrated Kagome Compound $\text{CePd}_{1-x}\text{Ni}_x\text{Al}$
Majumder, Mayukh
Shiv Nadar Univ.
Accepted. 2 days Dolly
Continuation of 20202569
- 20213011 Bulk Damage in 4H-SiC after Al Implantation
Wörle, Judith
ETH Zürich
Accepted. 4 days LEM
Continuation of 20211438
- 20213012 Elucidating the role of the phase boundary wall in the dynamics of the first-order magnetic phase transition in FeRh.
Massey, Jamie R
ETH Zuerich - Paul Scherrer Institut
Accepted
4 days LEM
Continuation of 20210853
- 20213021 Pressure dependence of high-temperature ferromagnetism in a Cr-based metal-organic framework
Prando, Giacomo
Univ. degli Studi di Pavia
Accepted. 4 days GPD
Continuation of 20211388
- 20213025 Pressure dependence of high-temperature ferromagnetism in a Cr-based metal-organic framework
Prando, Giacomo
Univ. degli Studi di Pavia
Accepted. 1 days Dolly
Continuation of 20211388
- 20213032 High-pressure studies of the triangular-lattice antiferromagnet Cs_2CuBr_4 (II)
Zvyagin, Sergei
Helmholtz-Zentrum Dresden-Rossendorf (HZDR)
Accepted.
4 days GPD
Continuation of 20192014

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- 20213039 Lithium ion diffusion at the cathode – solid-state electrolyte interface in microbatteries: PART II
Mansson, Martin
Royal Inst. of Technology (KTH)
Accepted. 7 days LEM
Continuation of 20202504
- 20213052 Hydrogen (shallow μ) donor in wide gap Ga₂O₃
De Renzi, Roberto
Univ. Parma
Refused. 0 days GPS
Continuation of 20192088
- 20213053 Investigation of the stoichiometric layered topological insulators MnSb₂Te₄
De Renzi, Roberto
Univ. Parma
Accepted. 3 days GPS
Continuation of 20202619
- 20213057 μ SR Study of the Strain-Induced Magnetism and Superconductivity in Iron-Chalcogenide Thin Films
Adachi, Tadashi
Sophia Univ.
Accepted. 7 days LEM
Continuation of 20202618
- 20213060 Investigation on the Magnetic Ordering and Spin Dynamics of Nd spin in (Nd_{1-x}Cax)₂Ru₂O₇ by Using Muon Spin Relaxation Down to Sub-Kelvin Temperature Region
Widyaiswari, Utami
RIKEN
Accepted. 3 days Dolly
Continuation of 20202599
- 20213066 In-situ illumination Longitudinal Field (LF) and Zero Field (ZF) Muon Spin Rotation (μ SR) study of photochromic yttrium oxyhydride thin films
Eijt, Stephan W.H.
Delft Univ. of Technology
Accepted. 3 days LEM
Continuation of 20190277
- 20213067 MIXE (Muon-Induced X-ray Emission)
Amato, Alex
Paul Scherrer Institut
Accepted. 20 days Dolly
Continuation of 20202663

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- 20213072 Pressure-induced phase diagram of the three dimensional quantum spin liquid
PbCuTe₂O₆
Chillal, Shravani
Helmholtz Zentrum Berlin fuer Materialien und Energie
Accepted. 7 days GPD
Continuation of 20202594
- 20213073 Low temperature spin-dynamics study on the quantum spin liquid candidate
Ba₄Nb_{0.8}Ir_{3.2}O₁₂ using muon spectroscopy
Chattopadhyay, Sumanta
Helmholtz-Zentrum Dresden-Rossendorf (HZDR)
Accepted. 2 days Dolly
Continuation of 20211421
- 20213089 Discerning the two transitions present in the 2D magnet VI3
Forslund, Ola Kenji
Royal Inst. of Technology (KTH)
Accepted. 2 days GPS
Continuation of 20202598
- 20213091 Vortices in Sr₂RuO₄ with split time-reversal symmetry breaking and superconducting
transition temperatures
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 5 days Dolly
Continuation of 20180611
- 20213094 Odd Frequency Proximity Effect in Pb/InSb superconductor/semiconductor 2DEG
heterostructures
Robinson, Thomas P
Univ. of Cardiff
Accepted. 2 days LEM
Continuation of 20202617
- 20213096 Search for the quartic phase in KFe₂As₂ under uniaxial strain
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 4 days Dolly
Continuation of 20180674
- 20213100 Investigation of the electric field effect in a conventional superconductor
Di Bernardo, Angelo
Univ. Konstanz
Accepted. 3 days LEM
Continuation of 20211432
- 20213104 Systematic study of spin dynamics in the heavy rare-earth pyrochlore iridates – the
case of Lu₂Ir₂O₇ and Ho₂Ir₂O₇
Colman, Ross H
Charles University
Accepted. 2 days GPS
Continuation of 20202600

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- 20213113 Charge-carrier density manipulation in 4H-SiC MOS capacitor
KaiserlMartins, Maria
ETH Zürich
Accepted. 8 days LEM
Continuation of 20211446
- 20213123 Muon spin relaxation study of the quantum spin liquid candidate YbOCl
Ma, Jie
Shanghai Jiao Tong Univ.
Accepted. 3 days HAL-9500
Continuation of 20210885
- 20213127 Magnetic surface state in grainy palladium films and the influence of structural properties
Welker, Gesa
Delft Univ. of Technology
Accepted. 4 days LEM
Continuation of 20171096
- 20213136 Effect of exchange interaction on the relaxation dynamics of Tb-based molecular nanomagnets: a possible path to extreme magnetization slowdown
Lascialfari, Alessandro
Univ. degli Studi di Pavia
Accepted. 4 days GPS
Continuation of 20152098
- 20213141 Discerning the two transitions present in the 2D magnet VI3
Forslund, Ola Kenji
Royal Inst. of Technology (KTH)
Accepted. 5 days GPD
Continuation of 20202598
- 20213142 Pressure-tuned interactions in the magnetically driven $\text{Nd}_x\text{Ce}_{1-x}\text{CoIn}_5$ superconductor. (continuation)
Margineda, Daniel
Scuola Normale Superiore
Refused. 0 days GPD
Continuation of 20202589
- 20213146 Dynamics of Epoxy Resin at a Solid Interface Probed by Low Energy Muon
Aoki, Hiroyuki
Japan Atomic Energy Agency
Accepted. 7 days LEM
Continuation of 20202046
- 20213165 Search for the quartic phase in KFe_2As_2 under uniaxial strain
Grinenko, Vadim
Shanghai Jiao Tong Univ.
Accepted. 1 days GPS
Continuation of 20180674

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- 20213166 Investigating the effect of changing the lanthanide ion in polyoxometalates single-ion magnet of the family $[\text{Ln}(\text{W}_5\text{O}_{18})_2]_n$
Vieira, Ricardo
Univ. of Aveiro
Accepted. 1 days GPS
Continuation of 20202559
- 20213167 Strong frustration in $\text{Sr}_2\text{Rh}_0.6\text{Ir}_0.4\text{O}_4$. A new candidate for a quantum spin liquid on a square lattice?
Zimmermann, Valentin L.
Max Planck Inst. for Solid State Research
Accepted. 1 days Dolly
Continuation of 20211428
- 20213171 Pressure-tuned interactions in the magnetically driven $\text{Nd}_x\text{Ce}_{1-x}\text{CoIn}_5$ superconductor. (continuation)
Margineda, Daniel
Scuola Normale Superiore
Refused. 0 days Dolly
Continuation of 20202589
- 20213173 Weyl-mediated helical magnetism in NdAlSi
Klauss, Hans-Henning
Technische Univ. Dresden
Accepted. 1 days GPS
Continuation of 20180647
- 20213175 Weyl-mediated helical magnetism in NdAlSi
Klauss, Hans-Henning
Technische Univ. Dresden
Accepted. 3 days HAL-9500
Continuation of 20180647