



PSI, Villigen
March, 2007

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 38 AT PSI
February 14 - 15, 2007**

present: Prof. R. Eichler (Chairman)
Prof. K. Clausen
Dr. A. Denner
Prof. H. Gaggeler
Dr. D. Herlach
Dr. C. Hoffman
Dr. C. Petitjean (Secretary)
Dr. L. Rivkin
Dr. M. Seidel

excused: Dr. R. Horisberger
Prof. H. Keller
Prof. H.R. Ott
Dr. R. Rosenfelder

1. Approval of Experiments

The recommendations of the BVR research committee and the μ SR research committee are acknowledged (see minutes).

New Proposals

- 20061286/1308 μ SR study of the impurity-induced magnetic order in the hole-doped high- T_c superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Adachi et al., Tohoku - RIKEN
Approved, 6 Dolly 2 GPS
- 20061077 Magnetic ordering and quantum criticality in the heavy-fermion compound $\text{Ce}_3\text{Pd}_{20}\text{Si}_6$
Strydom & Buehler-Paschen, Johannesburg - Wien
Approved, 2 LTF
- 20061253 Disorder Effects and Quantum Criticality in $\text{UCu}_{5-x}\text{Ni}_x$
Bernal et al., California State - PSI - Gainesville
Approved, 3 LTF
- 20061254 μ SR study of the magnetic transitions in $\text{Tb}_{(1-x)}\text{Y}_x\text{Co}_3\text{B}_2$ family
Wolfson et al., NRC Negev - PSI
Approved, 2 GPS
- 20061255 Peculiarities of the magnetic order in Gd_3Co
Baranov et al., RAS Siberia - PSI - Ural State - HMI
Approved, 1 GPS
- 20061265 Spin dynamics and possible unusual short-range order in HoB_2C and DyB_2C
van Duijn & Hillier, Madrid - ISIS
Approved, 2 GPD
- 20061272 Iron doping effects in $\text{YBa}_2\text{Cu}_4\text{O}_8$ cuprate superconductor
Shengelaya et al., Tbilisi - Zürich
Approved, 2 GPS
- 20061273 Magnetic instability in the frustrated A-site spinels MAl_2O_4 (M=Co,Fe,Mn)
Kalvius et al., TU München - Augsburg - Uppsala
Approved, 3 DOLLY
- 20061277 μ SR study of the localized spin triplets in $\text{Tl}_{1-x}\text{K}_x\text{CuCl}_3$
T. Suzuki et al., RIKEN - Sophia U. Tokyo
Approved, 3 LTF

- 20061288 Positive Muons in Tricalcium Phosphate
Kubo et al., Int. Christ. U. JP - RIKEN - KEK
Approved, 1 GPS
- 20061294 Impurity effects in $S=1/2$ low dimension spin liquid systems
Bobroff et al., Paris XI - IIT Bombay
Approved, 2 GPS
- 20061295 μ SR study of the randomness induced new magnetic phase
in $Tl(Cu_{1-x}Mg_x)Cl_3$
T. Suzuki et al., RIKEN - Sophia U. Tokyo - Tokyo IT
Approved, 2 LTF
- 20061297 Effect of isovalent cation substitution on the magnetic and
superconducting properties of underdoped cuprates
Sanna et al., Parma
Approved, 2 GPS
- 20061299 High-pressure Muon Spin Rotation studies of ferromagnetic interactions in
magnetic semiconductors: EuS
Eshchenko et al., Zürich - RRC "Kurchatov Inst." - PSI
Approved, 2 GPD
- 20061301 Negative Muon Spin Rotation Studies of Nitrogen Impurity in
Oxide Semiconductors
Shimomura et al., KEK - Osaka - RIKEN - PSI
Approved, 10 GPD
- 20061303 μ SR of Organometallic Radicals
McKenzie et al., ISIS - East Anglia - PSI
Approved, 12 ALC
- 20061305 μ SR study of $YbCu_{5-x}Au_x$ around the quantum critical point
Carretta et al., Pavia - Genova
Approved, 3 LTF
- 20061307 Phase diagram of the electron doped high T_c superconductor
 $Li_xSr_2CuO_2Br_2$
Klauss et al., Braunschweig - PSI
Approved, 3 GPS
- 20061309 Superconductivity in the charge density wave system Cu_xTiSe_2
Keren & Kanigel, Technion Israel - Illinois
Approved, 3 LTF
- 20061316 Isotope dependence of the Néel Temperature in cuprates
Keren et al., Technion Israel - PSI
Approved, 3 GPS

- 20061322 Magnetic frustration in $\text{Ca}_3\text{Co}_2\text{O}_6$ and in site ordered $\text{Ca}_3(\text{Co-Mn})_2\text{O}_6$ single crystals
De Renzi, Parma - ESRF - Warwick
Approved, 2 GPS
- 20061326 Fluorides as analogues of high- T_c superconductors
Blundell et al., Oxford - ISIS - Tennessee
Approved, 5 GPS
- 20061333 μSR Study of Proton Dynamics in 9-Hydroxyphenalenone Derivatives
Mochida et al., Toho - RIKEN - Tokyo
Approved, 1 GPS
- 20061335 Investigation of the microscopic properties of the photoinduced magnetism in Prussian Blue analogue photo-magnets
Salman et al., Oxford - ISIS
Approved, 1 GPS
- 20061339 μSR on $\text{Pr}_{1-x}\text{Ca}_x\text{CoO}_3$ compounds with $x=0.3$ and 0.5
Tetean et al., Babes-Bolyai - PSI
Approved, 4 GPD
- 20061340 μSR Investigations of the Ferromagnetic Ordered State and Novel Charge Transfer Phase Transition in Iron Mixed Valence Complexes, $(n\text{-C}_n\text{H}_{2n+1})_4\text{N}[\text{FeIIFeIII}(\text{dto})_3]$ ($\text{dto} = \text{C}_2\text{O}_2\text{S}_2$)
Kojima et al., Tokyo -RIKEN
Approved, 1 GPS
- 20061343 Quadrupole, Octupole and Hexadecapole degrees of freedom probed by Field-Angle Dependence of Muon Knight Shift
Higemoto et al., JAEA - Tokyo Inst Techn. - Tokyo - NIMS JP - Hiroshima
Approved, 3 GPS
- 20061344 Evolution of the magnetic interactions in the doped $\text{Sr}_{(1-x)}\text{M}_{(x)}\text{RuO}_3$ system
Klamut, Polish Acad. Sci. Wroclaw - Zürich - Tbilisi
Approved, 1 GPS
- 20061346 μSR study of spin dynamics in heterometallic mesoscopic molecular rings
Lago et al., Pavia - Milano
Not approved
- 20061351 Novel Quantum Phase Transition in a Shastry-Sutherland compound achievable with high pressure μSR .
Zayed et al., ETH Zürich - PSI - UCL
Approved, 7 GPD

- 20061352 Magnetic and Superconducting Properties of Electron-Doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ Epitaxial Thin Film and Bulk Samples
Luetkens et al., PSI - Braunschweig - AIST Tsukuba - Darmstadt
Approved, 3 GPS
- 20061355 Muon spin resonance scattering on $\text{U}_2\text{ScB}_6\text{C}_3$
Rogl & Pomjakushin, IPC Wien - PSI
Not approved
- 20061357 μSR study of spin dynamics in odd- and even-membered molecular rings
Lago et al., Pavia - Milano
Approved, 2 GPS
- 20061358 μSR Investigation of the Spin Dynamics of Central Metal Ions of Proteins
Watanabe et al., RIKEN - Tohoku - PSI
approved, 5 ALC
- 20061359 Pressure Effect on the Dynamics of Stripes in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-x}\text{Zn}_x\text{O}_4$
Watanabe et al., RIKEN - Tohoku - PSI
Approved, 5 GPD
- 20061367 Magnetism in Poly-Imides
Litterst et al., Braunschweig - Leipzig
Approved, 2 DOLLY
- 20061370 Anisotropy of Spin Liquid dynamics in Nd-Langasite Kagome Antiferromagnets
Mendels et al., Paris XI - Paris Sud - Grenoble
Approved, 1 GPS
- 20061377 Magnetism in Quasi-One-Dimensional Co Perovskites
Litterst et al., Braunschweig - CBPF Brazil
Approved, 1 GPS
- 20061378 μSR studies of the series $\text{CePd}_{2-x}\text{Fe}_x\text{In}$ at low temperatures
Gavilano et al., PSI - Tokushima - ETH Zürich
Approved, 2 LTF
- 20061379 μSR study of spin dynamics and magnetic phase transition of the two-dimensional tetramer-cuprate $\text{Na}_5\text{RbCu}_4(\text{AsO}_4)_4\text{Cl}_2$
Stern et al., NICPB Tallinn - Milano
Approved, 1 GPS
- 20061380 Ground State in the Molybdenum Bronze $\text{KMo}_6\text{O}_{17}$
Mendels et al., Paris XI - Paris Sud
Approved, 1 GPS

20060630/1304

Magnetic ordering and anomalous critical phenomenon in solid-solution of the two spin-gap systems.

Goto et al., Tokyo - RIKEN

Approved, 1 GPS/LTF

20061095/1281/1282

Competition Between Broken Symmetry Ground States Near a Quantum Critical Point

Heffner et al., JAEA - PSI - LANL - Columbia - McMaster

Approved, 10 GPD 2 GPS/LTF

20061246/1337

μ SR study on ferromagnetism of potassium clusters in zeolite A

Nakano et al., Osaka - RIKEN - PSI - ISIS

Approved, 3 GPS/LTF

20061259/1321

High pressure μ SR on spinel $\text{Li}[\text{Li}_x\text{Mn}_{2-x}]\text{O}_4$

Sugiyama et al., Toyota Central R&D - PSI - TRIUMF - Osaka

Approved, 7 GPD 1 GPS

20061276/1310

YMnO_3

Andreica et al., PSI - Oxford - ETH Zürich

Approved, 5 GPD 1 GPS

20061280/1338

Weak itinerant ferromagnetism in UCoGe

de Visser et al., Amsterdam - PSI

Approved, 2 GPS/LTF

20061287/1348

μ SR studies of unconventional ferromagnet CuCrZrS_4

H. Suzuki et al., NIMS - RIKEN - Muroran Inst. Techn.

Approved, 3 DOLLY

20061298/1371

High field dependence of the μ SR response in geometrically frustrated compounds

Chapuis et al., CEA Grenoble - Pavia - Delft - PSI

Approved, 6 LTF 2 GPS

20061306/1374/1375

Magnetic and electronic properties of superconducting and related materials

Khasanov et al., Zürich - Tbilisi - Roma La Sapienza - PSI

Approved, 8 GPS/LTF 6 GPD

- 20061317/1356
Assessment of the incorporation of drug molecules into liposomes: An investigation using spin resonance techniques
Jayasooriya et al., East Anglia - ISIS - PSI
Approved, 7 ALC 5 GPD
- 20061318/1331
 μ SR in organic semiconductors for spin-transport applications
Gil et al., Coimbra
Approved, 2 GPS/LTF
- 20061323/1362
Magnetic spin dynamics in the frustrated 1D chain compounds, LiCuVO_4
Kim et al., MPI FKF Stuttgart - PSI
Approved, 1 GPS/LTF
- 20061324/1353
Dynamics in the "stuffed" Tb pyrochlores
Bert et al., Paris Sud - Paris XI - Princeton
Approved, 2 GPS/LTF
- 20061328/1329
Heat Transport due to Spins in 2-Leg Spin-Ladder System $\text{Sr}_{14}\text{Cu}_{24}\text{O}_{41}$ by μ SR Measurement
Kawamata et al., RIKEN - Tohoku
Not approved
- 20061336/1345
 μ SR study of the Spin dynamics of gapless $S=1$ 1D antiferromagnet with bond-alternation
Kikuchi et al., Fukui - RIKEN
Approved, 1 GPS/LTF
- LEM-06-20 Low energy μ SR study of moving vortices in type-II superconductors
Forgan, Lycett & Ramos, Birmingham
Approved, 4 LEM
- LEM-06-21 Magnetic Penetration in a Superconducting Sandwich and Thin Film
Forgan, Lycett & Ramos, Birmingham
Approved, 3 LEM
- LEM-07-01 Organic thin-films and solar cells
Campos Gil et al., Coimbra
Approved, 4 LEM
- LEM-07-02 Investigation of magnetism in HfO_2 and related systems
Suter et al., PSI - MPI-FKF Stuttgart - Darmstadt
Approved, 3 LEM

- LEM-07-03 Induced ferromagnetism in superconducting layer of superconductor/ferromagnet heterostructures
Garifullin et al., ZPTI Kazan
Not approved
- LEM-07-04 LE- μ SR studies of Mn doped GaAs
Uemura & Morenzoni et al., Columbia - PSI - McMaster - Tohoku - JAERI
Approved, 6 LEM
- LEM-07-05 Measurement of the Magnetic Properties of a Mono-Layer of Single Molecule Magnets
Salman & Blundell et al., Oxford - ISIS - Firenze & INSTM - PSI
Approved, 5 LEM
- LEM-07-06 Magnetism in Proton-Irradiated HOPG Carbon
Litterst et al., IPKM Braunschweig - Leipzig - PSI
Approved, 3 LEM
- LEM-07-07 A direct measurement of the interplay between ferromagnetism and superconductivity at atomically flat oxide interfaces
Santamaria, Giblin et al., GFMC Madrid - ISIS
Not approved
- LEM-07-08 Spin-polarized injection from a magnetic semiconductor into a nonmagnetic semiconductor: spintronics via μ SR
Storchak, Morenzoni, Eshchenko et al., "RRC Kurchatov Inst." - PSI - Florida State
Approved, 4 LEM

New Letters of Intent

- R-07-01.0 A Precision Measurement of the Neutron Lifetime in a Trap with Superconducting Magnets
F.J. Hartmann et al., TU München, Garching
Comments see BV38 minutes.

2. Beam schedules

The 600 MeV ring accelerator is scheduled for 36 weeks of high intensity beam production (2mA) from April 12 to December 21, 2007 (see research schedule in the appendix). A new basic structure of the 600 MeV beam schedule will be adopted, consisting of a 3 weeks cycle: The beam production shall only be interrupted at the end of these cycles for service, beam development and operator trainings (~ 3 days), with the hope of increased production efficiency. There is a warning in case of a very hot summer. Our limited cooling capacity may force us to reduce the beam power during hot periods.

As usual, the beam schedule 2007 will be regularly updated and is displayed on the internet:
- http://ltp.web.psi.ch/accelerator_and_beams/schedule.pdf for the general schedule
- http://lmu.web.psi.ch/facilities/schedules/musr-schedule_2007.html for μ SR details

3. Varia

The next meeting BV 39 is scheduled for February 20 - 22, 2008. The first day is reserved for reviews of $\mu\text{e}\gamma$ and UCN. The **deadline** for beam requests, new proposals and addenda is **January 21, 2008**. Users are requested to make electronic submissions of their documents (PDF Files).

The date for the next meeting BVRA-2008, foreseen for **January 2008**, has not been fixed yet. The deadline for beam requests and new proposals will be around beginning of December, 2007.

Attachments

- PSI 590 MeV Program April 12 – December 21, 2007
- BV38 list of PSI HE experiments
- BVRA-2007 list of PSI Bulk- μ SR experiments
- the short minutes with recommendations of the scientific committees can be found on the internet: http://ltp.web.psi.ch/user_information/user_meeting.htm

PSI 590 MeV Program April – December 2007

Number of week	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
Date of Thursday	12.4	19.4	26.4	3.5	10.5	17.5	24.5	31.5	7.6	14.6	21.6	28.6	5.7	12.7	19.7	26.7	2.8	9.8	16.8	23.8	30.8	6.9	13.9	20.9	27.9	4.10	11.10	18.10	25.10	1.11	8.11	15.11	22.11	29.11	6.12	13.12	20.12
Date of Wednesday	18.4	25.4	2.5	9.5	16.5	23.5	30.5	6.6	13.6	20.6	27.6	4.7	11.7	18.7	25.7	1.8	8.8	15.8	22.8	29.8	5.9	12.9	19.9	26.9	3.10	10.10	17.10	24.10	31.10	7.11	14.11	21.11	28.11	5.12	12.12	19.12	26.12

Area	Proposal	Spokesman	KTR	Experiment																																			
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μM1	Deiters/Renker	114100	Tests																																				
	R-99-06	Kirkby/Deiters	114150	Fast μ -lifet.																																			
		Grab	710000	ETH Praktikum																																			

μM3	RA-Progr.	Herlach (coord)	716100	μ SR (GPS & LTF)																																			
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πE1	R-05-01	Pocanic	114192	$\pi \rightarrow e\nu$																																			
	Test	Rohe	116100	π effects in Si																																			
	RA-Progr.	Herlach (coord)	735100	μ SR (DOLLY)																																			

πE3	RA-progr.	Herlach (coord)	735100	μ SR (ALC)																																			
	R-99-07	Hertzog, Carey	114140	μ lifetime																																			
	R-97-05	Kammel, Pettigee	114157	μ p Capture																																			
	Separator																																						

πE5	R-98-03	Koltmann, Pohl	114193	Lambshift in μ H																																			
	R-99-05	Mori, Baldini	119100	$\mu e \nu$ tests																																			
	Separator																																						

μE1	RA-Progr.	RA-program	735100	μ SR (GPD)																																			
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μE4	RA-Progr.	Morenzoni	735200	slow μ^+ exp. (LEM)																																			
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SINQ	R-96-04	Bodek	114130	Time rev viol (n-decay)																																			
	R-03-01	Zimmer	731002	Neutron Scattering																																			
	R-05-02	Snow		n depolarization																																			
		Gutberlet																																					

NA Areas For Details see weekly program

- proposed official beamtimes
- proposed test beamtimes
- unsettled beamtimes

BV38 LIST OF PSI HE EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2007

AREA	PROPOSAL	SPOKESPERSONS	EXPERIMENT	BEAM STATUS (1 Week = 5 real days)			BEAM ALLOCATIONS 2006				
				Used	Allocation	Ref.	Request	Remarks	Allocation		
π M1	R-99-06	KIRKBY, DEITERS	μ^+ lifetime with FAST	76	W(T)	appr.	BV30	10	W(T) + 16 W	10	W(T)
	Tests Praktikum	DEITERS, RENKER GRAB	Tests Praktikum Particle Physics ETH			appr.		2.5	W 22.08 -14.09	2.5	W
π M3	RA-Props.	(HERLACH, Coord.)	μ SR, GPS + LTF	(see BVRA)				70	W (GPS + LTF)	36	W
π E1	RA-Props.	(HERLACH, Coord.)	μ SR with DOLLY	(see BVRA)				11	W + 6 W(T)	17	W
	R-05-01 Irradiations	POCANIC ROHE	$\pi^+ \rightarrow e^+ \nu$ π Effects in Si	10	W(T)	-	BV37	18	W	16	W
π E3	R-97-05	KAMMEL, PETITJEAN	μ p singlet capture	68	W	appr.	BV32	10	W Aug. – October	10	W
	R-99-07	HERTZOG, CARREY	MULAN	40	W	appr.	BV29	10	W June-August	10	W
	RA-Props.	(HERLACH, Coord.)	μ SR (ALC)	(see BVRA)				15	W Apr.-May/Nov.-Dec.	15	W
π E5	R-98-03	KOTTMANN, POHL	Lamb-shift in μ H	20	W	appr.	BV36	8	W July – Aug.r	8	W
	R-99-05	MORI	$\mu \rightarrow e + \gamma$	68	W(T)	appr.	BV29	36	W(T) Apr.-Dec.	28	W
μ E1	RA-Props.	(HERLACH, Coord.)	μ SR (GPD)	(see BVRA)				30	W	36	W
μ E4	slow μ^+	MORENZONI	slow μ^+ facility	120	W	appr.	BV19	61	W	36	W
SINQ "FUNSPIN"	R-96-04	BODEK	Time reversal viol in n-decay	58	W	appr.	BV32	17	W Aug.-Sept.	17	W
	R-03-01	ZIMMER	n-scattering length of D	32	W	appr.	BV34	2x6	W Jun.-Jul./Nov.-Dec.	2x7	W
	R-05-02	SNOW	Cold n depol. in liq.& sol. D ₂	1	W(T)	-	BV36	-			

BVRA-2007 list of PSI μ SR Experiments

BVRA-2007 List of μ SR Experiments: A) New Proposals																
DUO/LEM nr BVRA-2007	Main proposer		Short title	Beamtime requests (days)						Beamtime allocations (days)						
	Lasrt name	Country		GPS	LTF	Dolly	GPD	ALC	LEM	GPS	LTF	Dolly	GPD	ALC	LEM	
20060630 20061304	Goto Goto	JP JP	Solid-solution of two spin-gap systems	2	4					1	1					
20061077	Strydom	ZA	Heavy-fermion compound $Ce_3Pd_{20}Si_6$		5						2					
20061095 20061281 20061282	Heffner Heffner Heffner	JP JP JP	Broken Symmetry Ground States Near a Quantum Critical Point	3			10			2				10		
20061246 20061337	Nakano Nakano	JP JP	Ferromagnetism of K clusters in zeolite A	6						3						
20061253	Bernal	US	Disorder & quantum criticality in $UCu_{5-x}Ni_x$		7						3					
20061254	Wolfson	IL	Magnetic transitions in $Tb_{(1-x)}Y_xCo_3B_2$	9						2						
20061255	Baranov	RU	Magnetic order in Gd_3Co	3						1						
20061259 20061321	Sugiyama Sugiyama	JP JP	High pessure on spinel $Li[Li_xMn_{(2-x)}]O_4$	3			9			1				7		
20061265	van Duijn	ES	Short-range order in HoB_2C and DyB_2C				4							2		
20061272	Shengelaya	GE	Iron doping in $YBa_2Cu_4O_8$	4						2						
20061273	Kalvius	DE	A-site spinels MAI_2O_4 (M=Co,Fe,Mn)			5						3				
20061276 20061310	Andreica Andreica	RO RO	$YMnO_3$	2			5			1				5		
20061277	T. Suzuki	JP	Localized spin triplets in $Tl_{1-x}K_xCuCl_3$		10						3					
20061280 20061338	de Visser de Visser	NL NL	Weak itinerant ferromagnetism in $UCoGe$	4						2						
20061286 20061308	Adachi Adachi	JP JP	Hole-doped high- T_c $La_{2-x}Sr_xCuO_4$	4		6				2			6			
20061287 20061348	H. Suzuki H. Suzuki	JP JP	Unconventional ferromagnet $CuCrZrS_4$	3		3				0			3			
20061288	Kubo	JP	Tricalcium Phosphate	4						1						
20061294	Bobroff	FR	$S=1/2$ low dimension spin liquids	5						2						
20061295	T. Suzuki	JP	New magnetic phase in $Tl(Cu_{1-x}Mg_x)Cl_3$		6						2					
20061296 20070030	Klauss Klauss	DE DE	Molecular spin systems	5						2						
					3						2					

BVRA-2007 list of PSI μ SR Experiments

20061297		Sanna	IT	Cation substituted underdoped cuprates	6						2				
20061298		Chapuis	FR	Geometrically frustrated compounds at high fields	4	15					2	6			
20061371		Chapuis	FR												
20061299		Eshchenko	CH	High pressure on magn. semicond. EuS				4					2		
20061301		Shimomura	JP	N impurity in oxide semicond. (μ SR)				10					10		
20061303		McKenzie	GB	Organometallic Radicals					12					12	
20061305		Carretta	IT	YbCu _{5-x} Au _x near quantum critical point		7						3			
20061306		Khasanov	CH	Magnetic and electronic properties of superconducting and related materials	14	10					8	8		6	
20061374		Khasanov	CH												
20061375		Khasanov	CH												
20061307		Klauss	DE	Electron doped high Tc Li _x Sr ₂ CuO ₂ Br ₂	6						3				
20061309		Keren	IL	Superconductivity in Cu _x TiSe ₂		6						3			
20061316		Keren	IL	Isotope dependence of T _N in cuprates	6						3				
20061317		Jayasooriya	GB	Assessment of the incorporation of drug molecules into liposomes				5	7				5	7	
20061356		Jayasooriya	GB												
20061318		Campos Gil	PT	μ SR in organic semiconductors for spin-transport applications	4						2				
20061331		Campos Gil	PT												
20061322		De Renzi	IT	Ca ₃ Co ₂ O ₆ and site ordered Ca ₃ (Co-Mn) ₂ O ₆	5						2				
20061323		Kim	DE	Magnetic spin dynamics in the frustrated 1D chain compounds, LiCuVO ₄	2						1				
20061362		Kim	DE												
20061324		Bert	FR	Dynamics in "stuffed" Tb pyrochlores	4						2				
20061353		Bert	FR												
20061326		Blundell	GB	Fluorides as analogues of high-Tc SC	5						5				
20061328		Kawamata	JP	Heat transport due to spins in the 2-leg spin-ladder system Sr ₁₄ Cu ₂₄ O ₄₁	4		4						0		
20061329		Kawamata	JP												
20061333		Mochida	JP	9-hydroxyphenalenone derivatives	5						1				
20061335		Salman	GB	Prussian Blue analogue photo-magnets	7						1				
20061336		Kikuchi	JP	Spin dynamics of gapless S=1 1D antiferromagnet with bond-alternation	3						1				
20061345		Kikuchi	JP												
20061339		Tetean	RO	Pr _{1-x} Ca _x CoO ₃ compounds, x=0.3, 0.5				7						4	
20061340		Kojima	JP	(n-CnH _{2n+1}) ₄ N[FeIIIFeIII(dto) ₃], dto = C ₂ O ₂ S ₂	3						1				
20061343		Higemoto	JP	Field-angle depend. of μ Knight Shift	8						3				

BVRA-2007 list of PSI μ SR Experiments

20061344		Klamut	PL	Magnetic interactions in $\text{Sr}_{1-x}\text{M}_x\text{RuO}_3$	3						1				
20061346		Lago	IT	Mesoscopic molecular rings	3						0				
20061351		Zayed	CH	Shastry-Sutherland comp. at high pressure				7						7	
20061352		Luetkens	CH	Electron-doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$	6						3				
20061355		Rogl	AT	μ spin resonance scattering on $\text{U}_2\text{ScB}_6\text{C}_3$	2						0				
20061357		Lago	IT	Odd- & even-membered molecular rings	6						2				
20061358		Watanabe	JP	Metal ion spin dynamics in proteins					5						5
20061359		Watanabe	JP	$\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-x}\text{Zn}_x\text{O}_4$ under pressure				6							5
20061367		Litterst	DE	Magnetism in Poly-Imides			2						2		
20061370		Mendels	FR	Nd-Langasite kagome antiferromagnets	2						1				
20061377		Litterst	DE	Quasi-one-dimensional Co perovskites	4						1				
20061378		Gavilano	CH	$\text{CePd}_{2-x}\text{Fe}_x\text{In}$ series at low temperatures		6						2			
20061379		Stern	EE	2D tetramer-cuprate $\text{Na}_5\text{RbCu}_4(\text{AsO}_4)_4\text{Cl}_2$	3						1				
20061380		Mendels	FR	Ground state in the Mo Bronze $\text{KMo}_6\text{O}_{17}$	1						1				
20070022		Hachitani	JP	Filled skutterudite systems	7						0				
20070023		Hachitani	JP	Filled skutterudite systems	7						3				
LEM-07-01		Campos Gil		Organic thin films & solar cells							14				4
LEM-07-02		Suter		Magnetism in HfO_2 and related systems							14				3
LEM-07-03		Garifullin		Induced FM in SC/FM heterostructures							2				0
LEM-07-04		Uemura		Mn doped GaAs							15				6
LEM-07-05		Salman		Monolayer of single molecule magnets							15				4
LEM-07-06		Litterst		Magnetism in p-irradiated HOPG carbon							6				3
LEM-07-07		Santamaria		FM/SC atomically flat oxide interfaces							7				0
LEM-07-08		Storchak		Magnetic properties near EuS/Si interface							14				4

BVRA-2007 list of PSI μ SR Experiments

BVRA-2007 List of μ SR Experiments: B) Continuations																
DUO/LEM nr		Main proposer		Short title	Beamtime requests (days)						Beamtime allocations (days)					
BVRA-2007	BVRA-2006	Lasrt name	Country		GPS	LTF	Dolly	GPD	ALC	LEM	GPS	LTF	Dolly	GPD	ALC	LEM
20061071	20050852	Freeman	FR	Checkboard charge ordered materials			4					3				
20061269	20050849	Graf	US	Spin dynamics and onset of magnetic	6						3					
20061366	20050849	Graf	US	correlations in $\text{LiY}_{1-x}\text{Ho}_x\text{F}_4$		6						3				
20061270	20050880	Pratt	GB	Supercond. & magn. in molecular metals	5						3					
20061271	20050882	Pratt	GB	Probing polymer dynamics with muons	5						2					
20061275	20050893	Lee	GB	Bose glass phase in irradiated $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+d}$	10						7					
20061283	20050857	Sugiyama	JP	Magnetism and muon diffusion in Li-			11						11			
20070018	20050857	Sugiyama	JP	deintercalated Li Co, Ni or Mn oxide	4						2					
20061285	20050853	Sugiyama	JP	1-D cobalt oxides under high-pressure				15							12	
20070017	20050853	Sugiyama	JP				9						9			
20061289	20050890	Giblin	GB	A direct observation of a changing spin			4							3		
20061290	20050890	Giblin	GB	polarisation using μ SR	1						0					
20061291	20060005	Mamedov	RU	μ SR on diamond-like semiconductors				30							17	
20061292	20050860	Blundell	GB	Molecular magnetism	7						7					
20061293	20050860	Blundell	GB			7						7				
20061302	20050909	Shimomura	JP	Shallow Mu in wide gap semiconductors		7							3			
20061311	20050913	Andreica	RO	Pressure-induced magn. trans. in PrCu_2				6							6	
20061312	20050900	Stockert	DE	Quantum phase transition in CeCu_2Si_2				10							4	
20061313	20050899	Keren	IL	Spin kagome antiferromagnet				3							2	
20061314	20050899	Keren	IL		2						1					
20061315	20050899	Keren	IL			2						1				
20061319	20050915	Klauss	DE	Doped transition metal oxides			6							3		
20061325	20050862	Blundell	GB	Correlated inorganic systems	5						2					
20061342	20050898	Micotti	IT	Spin dynamics in molecular Ising chains	2						1					
20061373	20050947	Lappas	GR	Electro-active porous Mn frameworks	2						1					
20061376	20050920	Di Castro	IT	μ spin relaxation rate in MgB_2 crystals	6						6					
20061381	20060019	Lappas	GR	$\text{Zn}_{1-x}\text{Cu}_x\text{Cr}_2\text{Se}_4$ frustrated spinel magnets	6						2					

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20061383	20050873	Forgan	GB	Unconventional supercond. in ruthenates		15					9			
20061401	20050851	Mirebeau	FR	$R_2Mo_2O_7$ pyrochlores at ambient pressure			2					2		
20070001	20050879	Tucker	GB	Dynamics in lamellar phase dispersions					14					14
20070005	20050944	Solt	CH	Low- T muon dynamics in In and Sn	3					2				
20070006	20050855	Suleimanov	RU	Methanol (ethanol) decomposition on carbon supported catalysts					5					0
20070014	20050855	Suleimanov	RU				8						5	
20070007	20050865	Gutberlet	CH	Lipid distribution in model membranes					10					10
20070009	20060014	Campos Gil	PT	Muonium states in II-VI semiconductors	4					1				
20070012	20060006	Stoykov	CH	μ SR study of acceptor centers in SiC				10						10
20070015	20050856	Sugiyama	JP	Magnetic order in A_xCoO_2 ; A=H, K, Rb, Cs			5						5	
20070016	20050856	Sugiyama	JP		3					1				
20070019	20050897	McKenzie	GB	Solvation in nanoconfined fluids				12						12
20070021	20050877	Eshchenko	CH	Mu formation in semicond. & insulators	6					2				
20070025	20050916	McKenzie	GB	Dynamics in 1-D liquid crystals					14					14
20070027	20060001	Niedermayer	CH	Spin and charge dynamics in hole and	7					7				
20070028	20060001	Niedermayer	CH	electron doped high- T_c superconductors		4						4		
	LEM-06-01	Hoppler		HTC/FM oxide thin film multilayers						12				7
	LEM-06-03	Morenzoni		Metal-superconductor proximity bilayer						14				6
	LEM-06-04	Keren		Magnetic pockets in thin cuprate wires						7				7
	LEM-06-05	Prokscha		Mu formation in semicond. & supercond.						15				7
	LEM-06-06	Luetkens		e-doped $La_{2-x}Ce_xCuO_4$ epitaxial films						14				12
	LEM-06-07	Dubman		Ferromagn./nonmagnetic heterostructures						14				10
	LEM-06-09	Morenzoni		YBaCuO/PrBaCuO/YBaCuO tri-layers						21				14
	LEM-06-10	Suter		Spin freezing in underdoped HTS's						21				11
	LEM-06-11	Drew		Organic spin valves						14				8

BVRA-2007 list of PSI μ SR Experiments

LEM-06-13	Pratt	Polymer surface dynamics								7						6
LEM-06-16	Nieuwenhuys	Influence of electric field on manganites								14						7
LEM-06-17	Lee	Superconducting spin valve structures								21						10
LEM-06-18	Storchak	Dilute magnetic semiconductors								21						9
LEM-06-20	Forgan	Moving vortices in type-II supercond.								7						4
LEM-06-21	Lycett	Superconducting sandwich & thin film								6						3

	Requests						Allocations					
Total requests/allocations (days) :	271	144	61	175	67	295	122	75	50	131	62	145
Instrument:	GPS	LTF	Dolly	GPD	ALC	LEM	GPS	LTF	Dolly	GPD	ALC	LEM
Sum all instruments (days):	1013						585					