



**MINUTES "BESCHLUSSKONFERENZ"  
OF THE USERS MEETING BV 37 AT PSI  
February 15 - 16, 2006**

present: Prof. H. Gäggeler (Chairman)  
Dr. K. Gabathuler  
Dr. D. Herlach  
Dr. C. Hoffman  
Dr. C. Petitjean (Secretary)  
Dr. P.A. Schmelzbach

excused: Prof. R. Eichler  
Prof. K. Clausen  
Prof. H. Keller  
Prof. H.R. Ott  
Dr. R. Rosenfelder  
Dr. L. Simons  
Dr. A. Wrulich

# 1. Approval of Experiments

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

## New Proposals

- R-05-01.1    Precise Measurement of the  $\pi^+ \rightarrow e^+ \nu$  Branching ratio  
*D. Pocanic, A. van der Schaaf et al., Virginia, Zürich, PSI, Dubna, Swierk, Tbilisi, Zagreb*  
Approved, 6 weeks test in area  $\pi E1$
- R-06-03.1    Pionic Deuterium  
*D. Gotta et al., Jülich, Coimbra, Ioannina, Leicester, Paris, PSI, Vienna*  
Approved, 6 weeks in area  $\pi E5$

**Bulk  $\mu$ SR:** As a consequence of the implementation of the Digital User Office (DUO) at the  $S\mu$ S, the former **RA Experiments** are now identified by a plain number consisting of the year of submission and a 4-digit running number:

- 20050848    The superparamagnetic to spin-glass transition in monodisperse  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> nanoparticles  
*L. Rebbouh et al., Liege, Missouri-Rolla, Seoul National*  
Approved, 2 days GPS
- 20050849    Evolution from single-ion quantum magnet to correlated magnetism in LiY<sub>1-x</sub>Ho<sub>x</sub>F<sub>4</sub> for 0.002  $\leq$  x  $\leq$  0.10  
*M. Graf et al., Boston, Milano, Pavia, CNRS, Vavilov Optical Inst. RU*  
Approved, 3 days GPS/LTF shared
- 20050851    Low temperature state of R<sub>2</sub>Mo<sub>2</sub>O<sub>7</sub> pyrochlores in the the region of the ferromagnetic-spin-glass instability  
*I. Mirebeau et al., LLB, Babes-Bolyai, PSI*  
Approved, 6 days DOLLY
- 20050852    Crossover to two dimensional checkerboard charge-order in La<sub>2-x</sub>Sr<sub>x</sub>NiO<sub>4</sub>  
*P.G. Freeman and S.R Gibling, ILL, RAL*  
Approved, 4 days DOLLY
- 20050855    Muon spin probing of methanol (ethanol) decomposition on carbon supported catalysts  
*N. Suleimanov et al., Zavoisky Phys.Tech. I. Kazan, PSI*  
Approved, 6 days GPD, 3 ALC
- 20050856    Magnetic order in A<sub>x</sub>CoO<sub>2</sub> and AE<sub>x</sub>CoO<sub>2</sub>; A=K, Rb, Cs, AE=Ca, Sr, Ba.  
*J. Sugiyama et al., Toyota Central R&D, Babes-Bolyai, Tokyo, Tohoku*  
Approved, 3 days GPS, 6 DOLLY

- 20050857 Magnetism and muon diffusion in Li-deintercalated lithium cobalt, nickel or manganese oxide  
*J. Sugiyama et al., Toyota Central R&D, Babes-Bolyai, PSI, Osaka*  
Approved, 6 days GPS, 6 DOLLY
- 20050865 Lipid distribution in model membrane systems  
*T. Gutberlet et al., PSI, MediGene AG*  
Approved, 6 days ALC
- 20050873  $\mu$ SR study of unconventional superconductivity in ruthenate and related materials  
*E.M. Forgan et al., Birmingham, Pennsylvania State, Tulane, Fribourg*  
Approved, 6 days LTF
- 20050875 Single crystal investigation of the short range order phase of the double-layer manganite  $(\text{La}_{1-z}\text{Pr}_z)_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ .  
*R. De Renzi et al., Parma, IFW Dresden, CNRS, Springer Verlag*  
Approved, 4 days GPS
- 20050876 Magnetic ordering in  $\text{EuNiO}_3$   
*F.J. Litterst et al., TU Braunschweig, Köln, CBPF Rio, CSIC Madrid*  
Approved, 2 days GPS
- 20050889 Antiferromagnetic order in  $\text{CeIn}_{3-x}\text{Sn}_x$   
*O. Stockert et al., MPI-CPfS Dresden, Babes-Bolyai, PSI, TU Dresden*  
Approved, 2 days GPS/LFT shared
- 20050890 Dynamics of a Tunable Source of Highly Spin Polarised Electrons;  
 $\text{Co}_{1-x}\text{Fe}_x\text{S}_2$   
*S.R. Giblin and C. Leighton, RAL, Minnesota*  
Approved, 6 days DOLLY
- 20050896 Hyperfine parameters of the muonated radical states in 8-hydroxy-quinoline aluminium  
*A. Drew et al., Fribourg, Sheffield, RAL, London*  
Approved, 2 days GPS
- 20050898  $\mu$ SR study of slowing down of the magnetization in Dy-nitronyl nitroxide single-chain magnet  
*A. Lascialfari et al., Milano, Pavia*  
Approved, 1 day GPS
- 20050899 Spin 1/2 kagome antiferromagnet  
*A. Keren et al., Technion*  
Approved, 4 days GPS/LFT shared
- 20050900 Pressure tuning of the quantum phase transition in  $\text{CeCu}_2\text{Si}_2$   
*O. Stockert et al., MPI-CPfS Dresden, Babes-Bolyai, PSI, TU Dresden*  
Approved, 8 days GPD

- 20050908 Magnetic penetration depth study on V<sub>3</sub>Si single crystal: possible two-gap superconductivity  
*J.S. Kim et al., MPI-FKF Stuttgart, PSI*  
 Approved, 2 days GPS
- 20050909 Precise Determination of the electric structure of shallow muonium in wide gap semiconductors  
*K. Shimomura et al., KEK*  
 Approved, 3 days LTF
- 20050910 Bose-Einstein Condensation of an S=1 Ni-chain system  
*S.J. Blundell et al., Oxford, RAL, PSI, NHMFL Los Alamos*  
 Approved, 4 days LTF
- 20050911 Muon Spin Rotation Studies of Novel Diluted Magnetic Semiconductors  
*D.G. Eshchenko et al., Zürich, RRC Kurchatov, PSI*  
 Approved, 3 days GPS
- 20050914 Coupling of Spin and Charge Degrees of Freedom in S=1/2 Spin Chain systems  
*H.-H. Klauss et al., TU Braunschweig, PSI, MPI-FKF Stuttgart*  
 Approved, 4 days GPS
- 20050915 Magnetic Properties of electrochemically doped transition metal oxides  
*H.-H. Klauss et al., TU Braunschweig, PSI, IFW Dresden, Amiens*  
 Approved, 4 days DOLLY
- 20050916 Molecular and Electron Dynamics of One-Dimensional Liquid Crystals  
*U.A. Jayasooriya et al., East Anglia, RAL, PSI*  
 Approved, 6 days GPD, 6 ALC
- 20050919 Temperature and field dependence of the muon spin relaxation rate in intercalated graphite CaC<sub>6</sub>  
*D. Di Castro et al., Roma La Sapienza, Zürich, Pierre et Marie Curie*  
 Approved, 3 days GPS
- 20050920 Angular and field dependence of the muon spin relaxation rate  $\sigma$  in MgB<sub>2</sub> single crystals  
*D. Di Castro et al., Roma La Sapienza, Zürich, Parma*  
 Approved, 4 days GPS
- 20050924 High Pressure studies of Quantum Criticality in Low Dimensional Spin Systems  
*H.-H. Klauss et al., TU Braunschweig, PSI, Stockholm*  
 Approved, 12 days GPD
- 20050928 Muon spin resonance and relaxation study of new multiferroics: Eu<sub>1-x</sub>Y<sub>x</sub>MnO<sub>3</sub> with modulated spin structure  
*S. Vongtragool et al., PSI, Leiden, Moscow*  
 Approved, 2 days GPS

- 20050932 Novel Phenomena in Filled Skutterudite Systems Probed by  $\mu$ SR  
*K. Hachitani et al., Chiba, RIKEN, Muroran Inst. Technology*  
 Approved, 1 day GPS, 4 days DOLLY
- 20050935 Magnetic correlations in the frustrated spin system (Y,Ca)BaCo<sub>4</sub>O<sub>7</sub>  
*H.-H. Klauss et al., TU Braunschweig*  
 Approved, 3 days GPS
- 20050940  $\mu$ SR studies of metal squarate molecule-based magnets  
*P. Wood et al., Cambridge, New South Wales*  
 Approved, 4 days GPD

**Low Energy Muons (LEM):** Following successful construction and commissioning of the new, high intensity low energy muon beam ( $\mu$ E4) and LEM apparatus, in a first phase user operation in 2006 is in "expert mode" only, *i.e.* experienced groups have been given some preference. Below those proposals that have been selected are listed. The beam time allocated to the individual experiments (which typically varies between 1 and 3 weeks per proposal) is not specified because in view of the complexity of the system, some flexibility in the scheduling is necessary.

- LEM-06-01 Low energy  $\mu$ SR on oxide based SC/FM superlattices from YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> and La<sub>2/3</sub>Ca<sub>1/3</sub>MnO<sub>3</sub> or SrRuO<sub>3</sub>  
*C. Bernhard, A.J. Drew, C. Niedermayer et al., Fribourg, PSI, MPI-FKF Stuttgart*
- LEM-06-02  $\mu$ SR on double- and tri-layer spin glass samples, AuFe and CuMn  
*G.J. Nieuwenhuys et al., PSI, Leiden*
- LEM-06-03 Microscopic investigations of a metal-superconductor proximity bilayer  
*E. Morenzoni et al., PSI, Leiden, Zürich*
- LEM-06-04 Motion and pinning of hole-poor pockets in cuprates  
*Amit Keren et al., Technion, Illinois*
- LEM-06-05 Charge differentiation of positive muons in insulators and semiconductors at keV implantation energies  
*T. Prokscha et al., PSI, Zürich*
- LEM-06-06 Magnetic and superconducting properties of electron-doped La<sub>2-x</sub>Ce<sub>x</sub>CuO<sub>4</sub> epitaxial thin films  
*H. Luetkens et al., PSI, MPI-FKF Stuttgart, TU Darmstadt, NTT Atsugi, TU Braunschweig*
- LEM-06-07 Conduction electron spin polarization of the nonmagnetic layers of FM/NM heterostructures  
*H. Luetkens, E. Morenzoni et al., PSI, AMM Krakow, TU Braunschweig*
- LEM-06-09 Superconductivity and magnetism in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>/PrBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>/YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> tri-layers  
*E. Morenzoni, D.G. Eshchenko, H. Keller et al., PSI, Zürich, Genève*

- LEM-06-10 Spin freezing in underdoped HTS's  
*A. Suter et al., PSI*
- LEM-06-11 Low energy  $\mu$ SR measurements on organic spin valves  
*A.J. Drew et al., Fribourg, Sheffield, London, ISIS*
- LEM-06-13 LEM studies of polymer surface dynamics  
*F. Pratt et al., ISIS, Oxford, PSI*
- LEM-06-14 Investigation of the possible non-local nature of the electrodynamics of the superconductor  $\text{YNi}_2\text{B}_2\text{C}$   
*P. Dalmas de Réotier et al., CEA Grenoble, TU Delft, Ames Lab.*
- LEM-06-16 Influence of electric fields on manganites studied by low-energy muon precession  
*G.J. Nieuwenhuys et al., Leiden, PSI*
- LEM-06-17 Study of superconducting-magnetic coupling in superconducting spin valve structures  
*S.L. Lee et al., St Andrews, Leiden, Fribourg*
- LEM-06-18 Ferromagnetism in III-V and II-IV-V<sub>2</sub> dilute magnetic semiconductors  
*V.G. Storchak, E. Morenzoni, D.G. Eshchenko et al., RRC Kurchatov, PSI, Zürich, UBC, Columbia U.*
- LEM-06-19 Low energy  $\mu$ SR study of the proximity effect in Pd/Fe bilayers and Fe/Pd/Fe trilayers  
*S. Ramos, E.M. Forgan et al., Birmingham, PSI*
- LEM-06-20 Low energy  $\mu$ SR study of moving vortices in type-II superconductors  
*E.M. Forgan, R.J. Lycett et al., Birmingham*
- LEM-06-21 Magnetic penetration in a superconducting sandwich and thin film  
*R. Lycett, E.M. Forgan and S. Ramos, Birmingham*

## New Letters of Intent

- R-06-01.0 Larmor precession with cold neutrons for SANS and reflectrometry  
*Th. Gutberlet et al., PSI, Delft, Berlin*  
1 week of test on FUNSPIN approved. After that a proposal is expected.
- R-06-02.0 Measurement of the Circular Polarization of Gammas from Polarized Cold Neutron Capture in Solid Orthodeuterium on FUNSPIN  
*A. Komives et al., Greencastle, Bloomington, PSI, Cracow, LANL*  
The presentation of a proposal is encouraged in due time.

## 2. Beam schedules

The 600 MeV ring accelerator is scheduled for 37 weeks of high intensity beam production from April 6 to December 22, 2006 (see research schedule in the appendix). Up to the end of June, SINQ remains shut down because the MEGAPIE (liquid metal) target is being installed. The beam production during this initial period will be 11 weeks at 1.6 mA onto the 6 cm target E + 2 weeks at 1.4 mA onto the 4 cm target E. Once the MEGAPIE target operates, the proton beam intensity will be increased toward 1.8 – 2.0 mA (target E 4 cm). The basic structure of the 600 MeV beam schedule will remain unchanged.

As usual, the beam schedule 2006 will be regularly updated and is displayed on the internet:  
- [http://ltp.web.psi.ch/accelerator\\_and\\_beams/schedule.pdf](http://ltp.web.psi.ch/accelerator_and_beams/schedule.pdf) for the general schedule  
- [http://lmu.web.psi.ch/facilities/schedules/musr-schedule\\_2006.html](http://lmu.web.psi.ch/facilities/schedules/musr-schedule_2006.html) for  $\mu$ SR details

## 3. Varia

The next meeting BV 38 is scheduled for February 14 - 16, 2007. The first day is reserved for reviews of  $\mu e\gamma$  and UCN. The **deadline** for beam requests, new proposals and addenda is **January 15, 2007** Users are requested to make electronic submissions of their documents (PDF Files).

The date for the next meeting BVRA-2007, foreseen for **January 2007**, has not been fixed yet The deadline for beam requests and new proposals will be around beginning of December, 2006.

## **Attachments**

- PSI 590 MeV Program April 6 – December 22, 2006
- BV37 list of PSI HE experiments
- BVRA-2006 list of PSI Bulk- $\mu$ 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](http://ltp.web.psi.ch/user_information/user_meeting.htm)





**BV37 LIST OF PSI HE EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2006**

AREA	PROPOSAL	SPOKESPERSONS	EXPERIMENT	BEAM STATUS			BEAM ALLOCATIONS 2006				
				Used	Allocation	Ref.	Request	Remarks	Allocation		
$\pi$ M1	R-99-06	KIRKBY, DEITERS	$\mu^+$ lifetime with FAST	70	W(T)	appr.	BV30	6	W(T) + 30 W	6	W(T)
	Tests	DEITERS	Tests LHCb					4	W(T)	3	W(T)
	Praktikum	GRAB	Praktikum Particle Physics ETH			appr.		2	W Aug. 31 - Sept. 14	2	W
$\pi$ M3	RA-Props.	(HERLACH, Coord.)	$\mu$ SR, GPS + LTF	(see BVRA)				83	W (GPS + LTF)	37	W
$\pi$ E1	RA-Props.	(HERLACH, Coord.)	$\mu$ SR with DOLLY	(see BVRA)				14	W Sept.-Dec.	14	W
	R-05-01	POCANIC	$\pi^+ \rightarrow e^+ \nu$	4	(T)	-	BV37	6	W(T) fall	6	W(T)
	Irradiations	GABATHULER	CMS pixel modules					3	W April	3	W
	Irradiations	EGGER	MWPC's					2x1	W April/May	2	W
$\pi$ E3	R-97-05	KAMMEL, PETITJEAN	$\mu$ p singlet capture	58	W	appr.	BV32	10.5	W April-June	10.5	W
	R-99-07	HERTZOG, CARREY	MULAN	30	W	appr.	BV29	10.5	W July-October	10.5	W
	RA-Props.	(HERLACH, Coord.)	$\mu$ SR (ALC)	(see BVRA)				19	W	14.5	W
$\pi$ E5	R-98-03	KOTTMANN, POHL	Lamb-shift in $\mu$ H	20	W	appr.	BV36	8	W July or later		(2007)
	R-99-05	MORI	$\mu \rightarrow e + \gamma$	42	W(T)	appr.	BV29	12+17	W(T) Apr.-Jun, Aug.-Dec.	12+17	W
	R-06-03	GOTTA	$\pi$ Deuterium			-		6	W July or later	6-8	W
$\mu$ E1	RA-Props.	(HERLACH, Coord.)	$\mu$ SR (GPD)	(see BVRA)				44	W	37	W
$\mu$ E4	slow $\mu^+$	MORENZONI	slow $\mu^+$ facility	80	W	appr.	BV19	39	W	31	W
	R-02-02	EGOROV	Part. $\mu$ cap for double $\beta$ decay	10	W	appr.	BV33	4	W July	4	W
SINQ "FUNSPIN"	R-96-04	BODEK	Time reversal viol in n-decay	58	W	appr.	BV32	10	W Aug.-Sept.	11	W
	R-03-01	ZIMMER	n-scattering length of D	20	W	appr.	BV34	6+7	W Jun.-Jul./Nov.-Dec.	6+7	W
	R-04-02	KIRCH	UCN eff. in solid D	5	W	appr.	BV35	-			
	R-05-02	SNOW	Cold n depol. in liq.& sol. D <sub>2</sub>	1	W(T)	-	BV36	-			

BVRA-2006 list of PSI  $\mu$ SR Experiments

BVRA-2006 List of Bulk- $\mu$ SR Experiments			Requests (days)				Allocations (days)					
DUO Number	Main Proposer	Short Title	GPS	LTF	Dolly	GPD	ALC	GPS	LTF	Dolly	GPD	ALC
			$\pi$ M3	$\pi$ E1	$\mu$ E1	$\pi$ E3	$\pi$ M3	$\pi$ E1	$\mu$ E1	$\pi$ E3		
20060001	Niedermayer	Spin & charge dynamics in HTC	6					3				
20050922	Sikolenko	LaSrCoO <sub>3</sub>				6					0	
20050884	Yaouanc	Spin fluctuations in oxides	5	15				5	8			
20060018	Mendels	Geometrically frustrated AFM	5	5				3	3			
20050965	De Renzi	Manganese spinels	3					3				
20050938	Klauss	Magnetic molecular materials	9	3				4	3			
20050904	Gubbens	Local field in correlated systems	3							2		
20050864	Shengelaya	Magn. phenomena & isotope effects	19	8				9	8			
20050964	De Renzi	Novel superconductor MgB <sub>2</sub>	3	5				3	3			
20060017	Gil	Organic semiconductors	2					2				
20050860	Blundell	Molecular magnetism	4	7				4	5			
20050880	Pratt	Molecular metals	3	5				3	3			
20050893	Lee	Novel superconductors	12					6				
20050897	Eshchenko	Mu formation in semicond. & insul.	8			7	14	1		4	6	12
20050944	Solt	Muon dynamics in In & Sn	4					3				
20050846	Morenzoni	Ferroelectrics	8					5				
20060015	Bobroff	Na <sub>x</sub> CoO <sub>2</sub> layered oxide	2					1				
20060012	Bernhard	Magnetism in Na <sub>x</sub> CoO <sub>2</sub>	8					4				
20050867	Watanabe	TlBa <sub>2</sub> Y <sub>1-x</sub> Ca <sub>x</sub> Cu <sub>2</sub> O <sub>8</sub>	5					2				
20050933	Pappas	Griffiths phase in disordered FM			3	2				2	2	
20050874	Tetean	CeCo <sub>4</sub> B and Y(FexAl <sub>1-x</sub> ) <sub>3</sub>				6					5	
20050882	Pratt	Polymer dynamics	5					2				
20050895	Yaouanc	Study of itinerant systems				5					5	
20050892	McKenzie	Protonation of organics radicals					12					12
20050854	Luetkens	Layered Co-based perovskites	6							5		
20050853	Sugiyama	High pressure on 1D Co oxides			5	9				3	9	
20050913	Andreica	Pressure effects in PrCu <sub>2</sub>				6					6	
20050912	Sikolenko	Magnetism in Ce(MnFe) <sub>2</sub> Ge <sub>2</sub>				2					1	
20060019	Lappas	Magnetoresistive frustrated spinels	2					2				
20050947	Lappas	Manganese framework magnetism	2					1				
20050901	Kalvius	Frustrated thio-spinels	4					2				
20050894	Lago	Er <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub>	3	8				3	4			
20050862	Blundell	Magnetism in correl. inorg. systems	5					3				
20050866	Amato	CePt <sub>3</sub> Si superconductor	3	3				2	2			
20050879	Tucker	Counterion binding dynamics					6					6
20050897	McKenzie	Nanoconfined fluids				12					12	
20060014	Gil	Mu in widegap semiconductors	7							6		
20060006	Stoykov	Acceptor centers in SiC				24					23	
20060005	Mamedov	Acceptors in strained crystals				30					26	
20050891	Mamedov	Magnetic moment of $\mu^-$				10					10	
20050848	Rebbouh	Monodisperse Fe <sub>2</sub> O <sub>2</sub> nanoparticles	3					2				
20050849	Graf	LiY <sub>1-x</sub> Ho <sub>x</sub> F <sub>4</sub>	6	6				3	3			
20050851	Mirebeau	R <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> pyrochlores	6							6		
20050852	Freeman	La <sub>2-x</sub> Sr <sub>x</sub> NiO <sub>4</sub>			5					4		
20050855	Suleimanov	Methanol on catalysts				7	3				6	3
20050856	Sugiyama	Magnetic order in A(E) <sub>x</sub> CoO <sub>2</sub>	7		7			3		6		
20050857	Sugiyama	Magnetism & disorder in Li <sub>x</sub> MO <sub>2</sub>	11		7			6		6		
20050865	Gutberlet	Lipid distribution in membranes					6					6
20050873	Forgan	Ruthenate and related systems		12					6			
20050875	De Renzi	Double layer manganite	7					4				
20050876	Litterst	Magnetism ordering in EuNiO <sub>3</sub>	3					2				

Continued on next page

BVRA-2006 list of PSI  $\mu$ SR Experiments

BVRA-2006 List of Bulk- $\mu$ SR Experiments, continued			Requests (days)					Allocations (days)				
DUO Number	Main Proposer	Short Title	GPS $\pi$ M3	LTF	Dolly $\pi$ E1	GPD $\mu$ E1	ALC $\pi$ E3	GPS $\pi$ M3	LTF	Dolly $\pi$ E1	GPD $\mu$ E1	ALC $\pi$ E3
20050889	Stockert	AF order in $CeIn_{3-x}Sn_x$	5	5				2	2			
20050890	Giblin	Source of highly spin polarised e-			8					6		
20050896	Drew	8-hydroxy-quinoline Al	5					2				
20050898	Lascialfari	Dy-nitronyl nitroxide single-chain m.	3					1				
20050899	Keren	Spin 1/2 kagome AF	8	8				4	4			
20050900	Stockert	Quantum phase trans. in $CeCu_2Si_2$				10					8	
20050908	Kim	Penetr.depth in $V_3Si$	5					2				
20050909	Shimomura	Shallow Mu in wide-gap semicond.		7					3			
20050910	Blundell	Bose-Einstein cond. of Ni-chain		4					4			
20050911	Eshchenko	Diluted magnetic semiconductors	7					3				
20050914	Klauss	S=1/2 spin chain systems	6					4				
20050915	Klauss	El.chem. doped tr.metal oxides			6					4		
20050916	Jayasooriya	One-dimensional liquid crystals				14	14				6	6
20050919	Di Castro	Intercalated graphite $CaC_6$	5					3				
20050920	Di Castro	$MgB_2$ single crystals	6					4				
20050924	Klauss	Low dimensional spin systems				18					12	
20050928	Vongtragool	New multiferroics $Eu_{1-x}Y_xMnO_3$	4					2				
20050932	Hachitani	Filled skutterudite systems	7					1		4		
20050935	Klauss	Frustrated spin system	6					3				
20050940	Wood	Metal sqarate molec.-based magn.				5					4	
		Total Requests / Allocations (days):	256	101	41	173	55	127	61	58	141	45