



SμS • Swiss Muon Source

μSR Users' Meeting, BVRA 2011

Wednesday, January 26, 2011
PSI West, Main Auditorium WHGA 001

(Open Meeting)

Programme

- 09:00 *Welcome* C. Bernhard
- 09:10 Session I: News
Director News J. Mesot
SμS News E. Morenzoni
- 09:40 Session II: Magnetism
20101372: *Magnetism in two dimensions with molecular systems involving nickel and cobalt* S. Blundell
20101366: *Voltage-induced magnetism near the surface of Pd films* H. Saadaoui
20101133: *Low temperature study of the diluted spin Ice $(Dy_x Y_{1-x})_2 Ti_2 O_7$* J. Rodriguez Alvarez
20101368: *Effect of bond disorder in spin-1/2 antiferromagnetic Heisenberg chains* M. Thede
- 10:40 *Coffee Break*
- 11:00 Session III: Superconductivity
20101413: *Magnetic and Superconducting Properties of Electron-Doped $La_{2-x}Ce_xCuO_4$ Bulk Samples* G.Pascua
20101425: *Study of superconductivity vs. FeAs plane distance in iron pnictides with perovskite-type oxide blocking layers by μSR spectroscopy* G. Lamura
20101464: *Surface and bulk superconductivity in the topological superconductor $CuBi_2Se_3$* A. Kanigel
20101511: *Superconducting Properties of the Iron Pnictide $RbFe_2As_2$ under pressure* Z. Shermadini
- 12:00 *Lunch Break*
- 13:30 Session IV: Material Science
20101500: *Hydrogen impurity states in 3C-SiC thin films* P. Soukiassian
20101390: *Muonium formation yield in SiO_2 thin films* A. Antognini
20101431: *Quantum entanglement in Cr_7Ni -based molecular nanomagnets : a μSR study* A. Lascialfari
20101473: *Investigation of the coupling of magnetism and ferroelectricity in $BiFeO_3$* A.Drew
20101454: *Direct Magnetoelectric Effect in Ferromagnet/Dielectric Heterostructures* S.Dunsiger

14:45 *Coffee Break*

15:15 *Session V: Superconductivity/ Magnetism*

- 20101453: *Chemical and hydrostatic pressure effects on magnetism and superconductivity in the system $\text{EuFe}_2(\text{As}_{1-x}\text{P}_x)_2$ ($x=0.1, 0.16, 0.18, 0.2, 0.4, 0.8$)* Z. Guguchia
- 20101388: *Mutual influence between a superconducting thin film and (superpara-)magnetic nano islands* M. Trekels
- 20101440: *Interplay of itinerant and localized magnetism in RECoAsO samples under applied hydrostatic pressure* G. Prando
- 20101409: *The effect of disorder on T_N in a Mott insulator* A. Kanigel
- 20101493: *Investigating the low dimensional magnetic properties of the Dioptase lattice* J. Law

16:30 *Users Discussion*
Closing Remarks

S. Dunsiger
C. Bernhard

Proposals presentation: 12 min + 3 min discussion