

MC29-28-2 New quantum materials

Organisateurs : Andrea Gauzzi, Sylvie Hebert, Evangelos Papalazarou, Luca Perfetti, Marine Verseils, Daniele Preziosi, Andrés Cano

Jeudi 25 août – 15h00- 18h30

15:00 - 15:30 Intrinsic magnetism in superconducting infinite-layer nickelates

INVITED Jennifer Fowlie

MC29-1 *Stanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory, Menlo Park, CA, USA
Department of Applied Physics, Stanford University, Stanford, CA, USA
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15:30 - 16:00 Large superexchange in trilayer nickelate superconductors

INVITED Pablo Villar Arribi

MC29-2 *International School for Advanced Studies (SISSA), Via Bonomea 265, I-34136 Trieste, Italy
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16:00 - 16:15 Optical Properties of Superconducting Nd_{0.8}Sr_{0.2}NiO₂ Nickelate

MC29-3 Rebecca Cervasio, Luca Tomarchio, **Marine Verseils**, Jean-Blaise Brubach, Salvatore Macis, Ben-Gurion
Synchrotron SOLEIL, L'Orme des Merisiers, Saint-Aubin BP 48, 91192 Gif-sur-Yvette Cedex, France

16:15 - 16:30 Synthesis of infinite-layer nickelate thin films and the influence of the capping-layer

MC29-3 **Guillaume Krieger**, Jérôme Robert, Gilles Versini, Laurent Schlur, Nathalie Viart and Daniele Preziosi
*Université de Strasbourg, CNRS, IPCMS UMR 7504, F-67034 Strasbourg, France
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16h30-17h00 Coffee break

17:00 - 17:15 Non superconducting (Ln_{1-x}A_x)NiO_{2+y} layered bulk nickelates (Ln = Nd, Pr ; A = Sr, Ca)
MC29-4 **Nathan Bassot**, Cyril Domingos, André Sulpice, Christophe Lepoittevin, Pierre Toulemonde
*Univ. Grenoble Alpes, CNRS, Grenoble INP, Institut Néel, 38000 Grenoble, France
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17:15 - 17:30	Crystal structure prediction of metastable chalcogenide compounds
MC29-5	I.Braems, S.Sasaki, L.Mvélé, M.T.Caldes, C.Guillot-Deudon, E. Gautron, E. Janod, B. Corraze, G. Frapper, B. Wang, G. Steciuk, L. Palatinus, S.Jobic et L.Cario <i>Nantes Université, CNRS, Institut des Matériaux de Nantes Jean Rouxel, IMN, Nantes, F-44000, France</i>
17:30 - 17:45	Transient Enhancement of the Ferroelectricity in the Rashba Semiconductor α-GeTe
MC29-6	G. Kremer, J. Maklar, L. Nicolaï, C.W. Nicholson, C. Yue, C. Silvac, P. Werner, J.H. Dil, J. Krempaský, G. Springholz, R. Ernstorfer, J. Minár, L. Rettig, and C. Monney <i>Département de Physique and Fribourg Center for Nanomaterials, Université de Fribourg, CH-1700 Fribourg, Switzerland</i>
17:45 – 18:00	Observation de la Courbure de Berry par CD-ARPES dans les films minces ferroélectriques à couplage Rashba de GeTe
MC29-7	Calvin Tagne Kaegom, Boris Croes, Yannick Fagot-Revurat, Fabien Cheynis, Bertrand Kierren, Daniel Malterre, Alexandre Llopez, Stephano Curiotto, Frédéric Leroy, François Bertran, Patrick Le Fèvre <i>Institut Jean Lamour, Nancy CEDEX, 54011, France</i>
18:00 – 18:15	Effect of Metallic reservoir on phase transitions in strongly correlated systems
MC29-8	S. Bag, L. Fratino, A. Camjayi, H. Navarro, M. Civelli, I. Schuller, M. Rozenberg <i>Université Paris-Saclay, Laboratoire de Physique des Solides, 91405, Orsay, France.</i> soumenkrbag@gmail.com