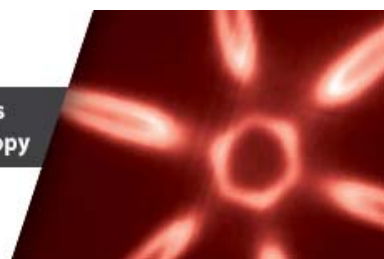




International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



5th to 10th July 2015





International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Sunday, July 5th, 2015
4:30 PM - 7:00 PM

4:00 PM to 6:00 PM	Registration
5:30 PM to 7:00 PM	Welcome cocktail



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Monday, July 6th, 2015 9:00 AM – 12:20 PM

08:00-09:00 am	Registration
09:00-09:20 am	Opening & welcome
Chair V. Brouet	
09:20-09:50 am	Antoine Georges - <i>Collège de France et Ecole Polytechnique (FR)</i> "Bad metals and Hund's metals: spectroscopies and transport"
09:50-10:20 am	Donglai Feng - <i>Fudan university (CH)</i> "Mechanism And Manipulation Of Superconductivity In FeSe Thin Films"
10:40-10:20 am	Yaobo Huang - <i>Paul Scherrer Institute (SZ)</i> "Connection between high-energy spin-excitations and degree of electron correlations in Ba(Fe _{1-x} Co _x) ₂ As ₂ superconductors"
10:40-11:10 am	COFFEE BREAK
Chair J. Freericks	
11:10-11:40 am	Alexander Kemper - <i>Lawrence Berkeley National Laboratory (USA)</i> "Theoretical studies of non-equilibrium spectroscopy"
11:40-12:00 pm	Stephen Parham - <i>University of Colorado (USA)</i> "Ultrafast Gap Dynamics in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Studied by High Resolution tr ARPES"
12:00-12:20 pm	Evangelos Papalazarou - <i>Laboratoire de Physique des Solides (FR)</i> "Ultrafast surface and bulk carrier dynamics in photo-excited topological insulators"
12:20-2:30 pm	LUNCH



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Monday, July 6th, 2015

2:30 PM – 6:10 PM

Chair D. Dessau

2:30-3:00 pm

Alessandra Lanzara - *University California (USA)*
"Non-Equilibrium momentum dependent dynamic of high temperature superconductors"

3:00-3:30 pm

Philipp Werner - *University of Fribourg (SZ)*
"Thermalization of Photo-Excited Mott insulators"

3:50-4:10 pm

Gaël Monney - *University of Fribourg (SZ)*
"Combining soft x-ray ARPES and STM with DFT and many-body correlations to understand the multiple aspects of the charge density wave in TiSe_2 "

3:30-3:50 pm

Claude Monney - *University of Zurich (SZ)*
"Accessing the self-energy of a correlated material with time-resolved ARPES"

4:10-4:40 pm

COFFEE BREAK

Chair A. Chainani

4:40-5:10 pm

Masatoshi Imada – *Department of Applied Physics - University of Tokyo (JA)*
"Superconducting mechanisms of iron-based and cuprate superconductors"

5:10-5:30 pm

Ilya Eremin - *Theoretische Physik III, Ruhr-Uni Bochum (GE)*
"Superconducting instabilities, spectral functions and quasiparticle interference in iron-based superconductors"

5:30-5:50 pm

Daniil Evtushinsky - *BESSY II, HZB Berlin (GE)*
"High-Energy Electronic Interaction in Iron-Based Superconductors"

5:50-6:10 pm

Elia Razzoli - *Département de Physique and Fribourg Center for Nanomaterials, Université de Fribourg (SZ)*
"Tuning electronic correlations in transition metal pnictides: chemistry beyond the valence count"

6:10 pm

FREE



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Tuesday , July 7th, 2015

9:00 AM – 12:20 PM

Chair S. Biermann	
09:00-09:30 am	Andrea Damascelli - <i>University of British Columbia (CA)</i> "Charge order in cuprates: from hole to electron doping"
09:30-10:00 am	Giacomo Ghiringhelli - <i>Politecnico di Milano (IT)</i> "Resonant X-ray Scattering of cuprates: where Inelastic and Elastic meet"
10:00-10:20 am	Krzysztof Wohlfeld - <i>Institute of Theoretical Physics, University of Warsaw (PL)</i> "What Does Resonant Inelastic X-ray Scattering at the Cu L Edge Really Measure?"
10:20-10:40 am	Takami Tohyama - <i>Tokyo University of Science (JA)</i> "Charge Excitations in Resonant Inelastic X-Ray Scattering: Detecting Enhanced Small-Momentum Charge Fluctuation of Electron-Doped Cuprates"
10:40-11:10 am	COFFEE BREAK
Chair L. Patthey	
11:10-11:40 am	Hugo Dil - <i>Ecole Polytechnique Fédérale de Lausanne (SZ)</i> "Spin Textures of Polar and Ferroelectric Materials"
11:40-12:00 pm	Frank Lechermann - <i>University of Hamburg (GE)</i> "Metal-Insulator Transitions and Magnetism in Oxide Interfaces"
12:00-12:20 pm	Patrick Le Fèvre - <i>Synchrotron SOLEIL (FR)</i> "Two Dimensional Electron Gases At The (001) And (101) Surfaces Of TiO ₂ -anatase - Role of oxygen Vacancies And UV-irradiation"
12:20-2:30 pm	LUNCH



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Tuesday , July 7th, 2015

2:30 PM – 5:50 PM

Chair P. Aebi	
2:30-3:00 pm	Anna Tamai - <i>Department of Quantum Matter Physics, University of Geneva (SZ)</i> "Fermi Pockets and Pseudogap in Lightly Doped Strontium Iridates"
3:00-3:30 pm	Bum Joon Kim - <i>Max Planck Institute for Solid State Research (GE)</i> "Fermi arcs and Their Evolution in Electron Doped Sr ₂ IrO ₄ "
3:30-3:50 pm	Jonathon Riley - <i>University of St Andrews (UK)</i> "Uncovering Spin-Polarised Bulk Electronic States in Inversion-Symmetric WSe ₂ "
3:50-4:10 pm	Yusuke Nomura - <i>Centre de Physique Théorique (CPHT) École Polytechnique (JA)</i> "Nonempirical calculation of transition temperature for fulleride superconductivity"
4:10 -4:40 pm	COFFEE BREAK
Chair K. Matho	
4:40-5:10 pm	Takeshi Kondo - <i>Institute for Solid State Physics, The University of Tokyo (JA)</i> «Point Node Gap Persisting beyond T _c in Bi2212»
5:10-5:50 pm	Flash poster I
5:50-8:40 pm	Poster Session I and Dinner Buffet



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Wednesday , July 8th , 2015

9:00 AM – 6:10 PM

Chair M. Potthoff	
09:00-09:30 am	Kristjan Haule - <i>Rutgers University (USA)</i> "Hund's Metallicity as the Origin of Anomalous State of Matter in Iron Pnictides and Chalcogenides"
09:30-10:00 am	Martin Ganahl - <i>Perimeter Institute for Theoretical Physics (CA)</i> "Matrix Product States based Impurity Solvers for Dynamical Mean Field Theory"
10:00-10:20 am	Timur Kim - <i>Diamond Light Source (UK)</i> "ARPES study of the electronic structure evolution in superconducting FeSe"
10:20-10:40 am	Joseph Mansart - <i>Laboratoire de Physique des Solides (FR)</i> "Detailed Study of the Dramatic Reconstruction of the Electronic Structure of FeSe in the Orthorhombic Phase "
10:40-11:10 am	COFFEE BREAK
Chair T. Tohyama	
11:10-11:40 am	Yulin Chen - <i>Oxford University (UK)</i> "Visualizing Electronic Structures of Topological Quantum Materials"
11:40-12:00 pm	James Freericks - <i>Georgetown University (USA)</i> "Theory of Floquet band formation and local pseudospin textures in pump-probe photoemission of graphene"
12:00-12:20 pm	Cephise Cacho - <i>Central Laser Facility – Artemis (UK)</i> "Spin Dynamics of Hot Carriers in the Topological Insulator Bi ₂ Se ₃ "
12:20-2:00 pm	LUNCH
2:00-6:10 pm	Visit to SOLEIL beamline
6:10 pm	FREE



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Thursday, July 9th, 2015

9:00 AM – 12:20 PM

Chair S. Molodtsov	
09:00-09:30 am	Luca Perfetti - <i>Ecole Polytechnique (FR)</i> "Dynamics of Electronic states in Correlated Materials and High temperature Superconductors"
09:30-10:00 am	Uwe Bovensiepen - <i>Univ. Duisburg-Essen, Faculty for Physics (GE)</i> "Electronic and bosonic excitations in high temperature superconductors analyzed by time-resolved ARPES"
10:00-10:20 am	Fabiana Da Pieve - <i>LSI, ETSF (FR)</i> "Probing the Atomic Scale Magnetic Structure via Spin-flip, Orbital-flip and Chiral Excitations in Resonant Photoemission"
10:20-10:40 am	Federico Bisti - <i>Paul Scherrer Institute (SZ)</i> "Soft-x-ray ARPES investigation of Chromium dioxide: more insight into the electronic correlation"
10:40-11:10 am	COFFEE BREAK
Chair A. Taleb-Ibrahimi	
11:10-11:40 am	Eugene Krasovskii - <i>University of the Basque Country, Donostia International Physics Center, and IKERBASQUE (ES)</i> "Elastic and Inelastic Scattering in Attosecond Streaking Spectroscopy of Solids"
11:40-12:20 pm	Flash poster II
12:20-3:10 pm	LUNCH & Poster II



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Thursday, July 9th, 2015

3:10 PM – 6:10 PM

Chair A. Taleb-Ibrahimi	
3:10-3:40 pm	Georges Sawatzky - <i>University of British Columbia (CA)</i> "Explicit role of O 2p states in high oxidation state (transition metal) Oxides"
3:40-4:10 pm	Inna Vishik - <i>Massachusetts Institute of Technology (USA)</i> "Low energy excitations in cuprate high temperature superconductors"
4:10-4:40 pm	COFFEE BREAK
Chair M.C. Asensio	
4:40-5:10 pm	Jan Kunes - <i>Institute of Physics AS CR (CZ)</i> "Excitonic condensation of strongly correlated electrons"
5:10-5:30 pm	Silke Biermann - <i>Ecole Polytechnique (FR)</i> "Theoretical Spectroscopy for Correlated Materials: Rethinking the Interface of Electronic Structure and Many-Body Theory"
5:30-5:50 pm	Yasuhiro Nakatani - <i>Osaka University (JA)</i> "Direct Observation of Momentum-Dependent Heavy Fermionic Electronic Structure for CeNi ₂ Ge ₂ "
5:50-6:10 pm	Alessandro Nicolaou - <i>Synchrotron SOLEIL (FR)</i> "Symmetry of the Fermi surface and evolution of the electronic structure across the paramagnetic-helimagnetic transition in MnSi/Si(111)"
6:10 pm	FREE
8:30 pm	Meeting point « PILLIER NORD » at the Eiffel Tower for the Conference dinner



International workshop on strong correlations
and angle-resolved photoemission spectroscopy

5th to 10th of July 2015
Couvent des Cordeliers (Paris, France)



Friday, July 10th, 2015

9:00 AM – 12:20 PM

Chair A. Tejada	
09:00-09:30 am	Philip Hofmann - <i>Department of Physics and Astronomy (DA)</i> "Electronic Structure and Electron Dynamics in Two-Dimensional Materials"
09:30-10:00 am	Hong Ding - <i>Institute of Physics, Chinese Academy of Sciences (CH)</i> "Discovery of Weyl semimetal TaAs"
10:00-10:20 am	Oleg Janson - <i>Institute of Solid State Physics, Vienna University of Technology (AS)</i> "Topological phases at oxide interfaces: material-specific insight from DFT+DMFT"
10:20-10:40 am	Jonathan Denlinger - <i>Lawrence Berkeley National Laboratory (USA)</i> "Non-topological 2DEG at the Surface of YbB ₆ and Divalent Hexaborides"
10:40-11:10 am	COFFEE BREAK
Chair J.P. Rueff	
11:10-11:40 am	Hubert Ebert - <i>University Munich (GE)</i> "Spin polarization of surface states probed by ARPES"
11:40-12:00 pm	Achim Schöll - <i>Experimentelle Physik 7, Universität Würzburg (GE)</i> "Complete determination of molecular orbitals by measurement of phase"
12:00-12:20 pm	Chaoyu Chen - <i>Synchrotron SOLEIL (FR)</i> "First nanoARPES user facility available at SOLEIL: an effective band structure probe in nanoscience"
12:20-1:00 pm	Poster awards CORPES17 Closing