

MC45 Superconductivity in two-dimensional and layered materials I

Wednesday, 4 September, morning

Chair: R.S. Gonnelli, D. Wickramaratne

Room:

Hours	ID	Name	Type	Title
10h30	13134	Jianting Ye	Invited	Ion-gated high mobility electronic gases and orbital FFLO state in clean 2D superconductors
11h00	13173	Yoshihiro Iwasa	Invited	Nonreciprocal transport and superconducting diode effect with time reversal symmetry
11h30	13186	Matteo Calandra	Invited	Phonon mediated superconductivity in field-effect doped molybdenum dichalcogenides
12h00	12991	Edwin Herrera	Invited	Gapless superconductivity in 2H-NbSe ₂ -xSx from enhanced correlations
12h30	13317	Dario Daghero	Oral	Point-contact Andreev-reflection spectroscopy and multi-gap superconductivity in H-intercalated 1T-TiSe ₂

MC45 Superconductivity in two-dimensional and layered materials II

Wednesday, 4 September, afternoon

Chair: E. Piatti, M. Calandra

Room:

Hours	ID	Name	Type	Title
16h00	13136	Pavol Szabo	Invited	Extreme Upper Critical Magnetic Fields of Heavily Doped quasi 2D Transition Metal Dichalcogenides – Misfit (LaSe) _{1.14} (NbSe ₂) _{n=1,2}
16h30	12824	D Wickramaratne	Invited	Role of defects and interfaces on 2D Ising superconductors
17h00	13129	Ivan Maggio-Aprile	Invited	Scanning Tunneling Spectroscopy investigations of vortex-core states and conductance modulations in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ}
17h30	15460	Ignacio Figueruelo	Oral	Apparent color and Raman vibrational modes of the high-temperature superconductor Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} exfoliated flakes
17h45	13559	Giulia Venditti	Oral	Filamentary superconductivity in low-dimensional superconductors

**MC45 Superconductivity in two-dimensional and layered materials III**

Thursday, 5 September, morning

Chair: D. Daghero, J. Bekaert

Room:

Hours	ID	Name	Type	Title
10h30	13170	Takasada Shibauchi	Invited	Exotic pairing states in Fe-chalcogenide superconductors
11h00	13159	Khalil Zakeri	Invited	Direct evidence of a large charge transfer and a significant spin-orbit coupling in FeSe monolayer on STO
11h30	13022	Massimo Capone	Invited	The Landascape of electronic correlations in iron-based superconductors
12h00	15461	Sanghun Lee	Oral	Amorphous Shiba states in the multi-band superconductor FeTe _{0.55} Se _{0.45}
12h15	13397	Erik Piatti	Oral	Nodal Multigap Superconductivity in the Anisotropic Iron-Based Compound RbCa ₂ Fe ₄ As ₄ F ₂

MC45 Superconductivity in two-dimensional and layered materials IV

Friday, 6 September, morning

Chair: E. Piatti, M. Capone

Room:

Hours	ID	Name	Type	Title
9h00	13139	Philip Kim	Invited	Radiofrequency reflectometry measurement of superfluid stiffness of 2D superconductors
9h30	12986	Jonas Bekaert	Invited	Ab initio exploration and optimization of superconductivity in novel boron-based two-dimensional materials
10h00	13620	Renato Gonnelli	Oral	The order-parameter symmetry of Sr ₂ RuO ₄ revealed by directional Andreev-reflection spectroscopy
10h15	13354	Mateusz Domanski	Oral	Perspectives for superconductivity in nickel(I) hydrides
10h30	13338	E Linner	Oral	Coexisting s-wave superconductivity and phase separation in the attractive extended Hubbard model
10h45	13194	Luca Tocchio	Oral	Superconductivity and orbital selectivity in a three-orbital Hubbard model for the iron pnictides: interplay of correlation and band structure



Poster Session
Thursday, 5 September

ID	Name	Title
13317	Jisvin Sam	Superconductivity in Ca intercalated bilayer silicene
13136	Erik Linnér	Fluctuating field theory description of interplaying collective instabilities in strongly correlated systems
13129	Celia González Sánchez	FABRICATION OF HYBRID VERTICAL JOSEPHSON JUNCTIONS BASED ON NBSE2
12574	Shubham Patel	Electron-phonon coupling, critical temperatures and gaps in NbSe ₂ /MoS ₂ Ising Superconductors
12567	Francesco Rosa	Infinite-layer nickelate superconductors studied with Resonant Inelastic X-ray Scattering