

ARRIVAL: MONDAY 30TH SEPTEMBER 2024
 DEPARTURE: SATURDAY 12ND OCTOBER 2024

Mesoscopic Physics school TIMETABLE

2D materials
 superconductivity & superconducting
 circuits, quantum transport & hybrid systems
THEORY & EXPERIMENTS

		TUESDAY 1 ST	WEDNESDAY 2 ND	THURSDAY 3 RD	FRIDAY 4 TH	SATURDAY 5 TH
1ST WEEK	08:50 - 09:00	OPENING				
	09:00 - 10:30	Course 4 - Hybrid Systems				Course 3 2D Systems
		Samuel Deleglise Optomechanical Systems	Sophie Gueron Hybrid systems built from Nanowires	Samuel Deleglise Optomechanical Systems	Sophie Gueron Hybrid systems built from Nanowires	Leni Bascones Correlations and topo- logy in 2D materials
	10:30 - 11:00	COFFEE BREAK				
	11:00 - 12:00	Course 2 - Mesoscopic Superconductivity and Quantum Circuits				
		Landry Bretheau Mesoscopic superco- ductivity	Landry Bretheau Mesoscopic superco- ductivity	Quentin Ficheux Quantum supercon- ducting circuits	Landry Bretheau Mesoscopic superco- ductivity	Quentin Ficheux Quantum supercon- ducting circuits
	12:00 - 15:00	LUNCH				
	15:00 - 16:00	Discussion Course 4 & 2				
	16:00 - 16:30	COFFEE BREAK				
	16:30 - 18:00	⌚ 2 Alexia Auffèves Quantum energy		⌚ 4 Andrea Hofmann Semiconductor-superconductor devices		Course 3 2D Systems Eva Andrei Introduction to 2D ma- terials and twistrionics
18:00 - 19:00	POSTERS A	Course 2 Quentin Ficheux Quantum supercon- ducting circuits	POSTERS B	START-UPS SESSION CHIPIRON QUOBLY C12 ALICE & BOB SILENT WAVES	Recap week 1	
19:00	WELCOME DRINKS					
2ND WEEK	09:00 - 10:30	Course 3 2D Systems	Course 1 Quantum Transport	Course 1 Quantum Transport	Links	Links
		Eva Andrei Introduction to 2D ma- terials and twistrionics	Geraldine Haack Coherent transport of charges and heat in mesoscopic devices	Geraldine Haack Coherent transport of charges and heat in mesoscopic devices	François Parmentier Heat transport in graphene	François Parmentier Heat transport in graphene
	10:30 - 11:00	COFFEE BREAK				
	11:00 - 12:00	⌚ 3 Adolfo Grushin Weyl semimetals and topological insulators	Course 1 Quantum Transport	⌚ 3 Adolfo Grushin Weyl semimetals and topological insulators	Course 1 Quantum Transport	Course 1 Quantum Transport
			Xavier Waintal Coherent transport of charges and heat in mesoscopic devices		Xavier Waintal Coherent transport of charges and heat in mesoscopic devices	Xavier Waintal Coherent transport of charges and heat in mesoscopic devices
	12:00 - 15:00	LUNCH				
	15:00 - 16:00	Discussion Course 1 & 3				
	16:00 - 16:30	COFFEE BREAK				
	16:30 - 18:00	Course 3 2D Systems	⌚ 1	⌚ 1	Links	Links
		Leni Bascones Correlations and topo- logy in 2D materials	Gwendal Fève Anyons in mesoscopic conductors	Gwendal Fève Anyons in mesoscopic conductors	Johann Coraux scanning tunneling microscopy/spectros- copy of 2D systems and 2D materials in particular	Johann Coraux scanning tunneling microscopy/spectros- copy of 2D systems and 2D materials in particular
18:00 - 19:00	POSTERS A		POSTERS B	⌚ 3 Adolfo Grushin Weyl semimetals and topological insulators	Recap week 2 & CLOSING	
19:00				IESC DINNER		