

**MC 31 Moiré, super-moiré and quasiperiodic quantum matter in twisted van der Waals heterostructures I**

Wednesday, 4 September, afternoon

Chairman:

Room:

Hours	ID	Name	Type	Title
16h00	12700	Dante Kennes	invited	Moiré heterostructures as a condensed-matter quantum simulator
16h30	13909	Roshan Krishna Kumar	invited	Twisted Quantum Photovoltaics
17h00	13817	Rajdeep Sensarma	Oral Contribution	Electronic correlations and non-Fermi liquid behaviour in twisted double bilayer Graphene
17h15	13530	Miguel S Sánchez	Oral Contribution	Correlated phases and topological phase transition in twisted bilayer graphene at one quantum of magnetic flux
17h30	12932	Tiago Antão	Oral Contribution	Designing frustrated moiré order with twisted van der Waals multiferroics
17h45	12750	Ajay Singh	Oral Contribution	Evolution of flat band Segments and Van-Hove Singularities in Twisted bi-layer Graphene
18h00	12545	Johannes Lischner	invited	Electrons, excitons and phonons in moiré materials from atomistic simulations

MC 31 Moiré, super-moiré and quasiperiodic quantum matter in twisted van der Waals heterostructures II

Thursday, 5 September, morning

Chair:

Room:

Hours	ID	Name	Type	Title
10h30	13017	Ulrich Schneider	invited	Ultracold atoms in an optical quasicrystal
11h00	13865	Bruno Amorim	invited	The role of quasiperiodicity in one- and two-dimensional moiré materials
11h30	13922	Nicolau Sobrosa	Oral Contribution	Correlated phases and collective modes of 1D moiré materials
11h45	13819	Raul Liquito	Oral Contribution	Transport properties of 1D AA-like systems
12h00	13542	Balázs Hetényi	Oral Contribution	Extending the modern theory of polarization to handle the metallic side: Application to the localization transition of quasi-periodic models
12h15	13025	Veniero Lenzi	Oral Contribution	Understanding twisted COF monolayers on graphene
12h30	12630	Yonglong Xie	invited	Strong interactions and isospin symmetry breaking in a supermoiré lattice

**MC 31 Moiré, super-moiré and quasiperiodic quantum matter in twisted van der Waals heterostructures III**

Thursday, 5 September, afternoon

Chair:

Room:

Hours	ID	Name	Type	Title
16h00	13268	Tobias Stauber	invited	Nematic versus triplet superconductivity and chirality in twisted bilayer graphene
16h30	13526	Chithra H Sharma	invited	Moiré mini-bands and spin-valley flavors in twisted TMDCs
17h00	13740	Ricardo Oliveira	Oral	Mean-field theory of superconductivity in two-dimensional Aubry-André models
17h15	13465	Chao Chen Ye	Oral	First-principles studies of bilayer CrI ₃ under interlayer sliding
17h30	13075	Bert Jorissen	Oral	Tight-Binding investigation of Proximity-Induced Spin-Orbit Coupling in Graphene-TMD Heterostructures
17h45	12664	Pierre P Peralta	invited	Designing Moire Patterns by Strain

Poster Session

Thursday, 5 September

ID	Name	Title
13653	Igor Vasilevskiy	Phase diagram of twisted trilayer graphene