

PROGRAM

First week, from November 25th to November 29th

Monday 25th of November:

- 10:30 Gilles Montambaux
Manipulation of Dirac cones in 2D crystals : playing with “artificial graphenes”
- 17:00 Barbara Dietz
Experiments with Superconducting Microwave Dirac Billiards

Tuesday 26th of November:

- 10:30 Daniel Greif
Artificial Graphene with Tunable Interactions
- 17:00 Yaakov Lumer
Photonic Graphene and Photonic Topological Insulators

Wednesday 27th of November:

- 10:30 Fabrice Mortessagne
From microwave dielectric resonator to artificial graphene
- 16:00 Pierre Delplace
Manipulation of Dirac points and Floquet topological transitions in an A.C. driven honeycomb lattice

Thursday 28th of November:

- 10:30 Ulrich Kuhl
Experimental Observation of a Fundamental Length Scale of Waves in Random Media
- 17:00 Ioannis Pitsios
Observation of optical rogue waves in strongly scattering random media

Friday 29th of November:

- 10:30 Thomas Seligman
Some comments about real graphene

Second week, from December 2nd to December 6th

Monday 2nd of December:

- 12:00 Robert Keil
Strain-induced magnetic field in photonic graphene
- 17:00 Yenni Ortiz
Spontaneous symmetry breaking on polyacenes, polyphenyls and aromatic molecules due to lithium adsorption.

Tuesday 3rd of December:

- 12:00 Thomas Stegmann
Magnetotransport along a boundary: From coherent electron focusing to edge channel transport.
- 17:00 Matthieu Bellec
Edge states in strained honeycomb lattices: a microwave experiment

Wednesday 4th of December:

12:00 Robert Keil

Quantum walks in waveguide lattices

17:30 Barbara Dietz

Colloquium conference at the Institute of Physical Sciences, UNAM.

Thursday 5th of December:

12:00 Emerson Sadurni

Relativistic equations and tight-binding model: theory

17:00 John-Alexander Franco

Relativistic equations and tight-binding model: microwave experiments

Friday 6th of December:

11:00 Hari Manoharan

Molecular Graphene