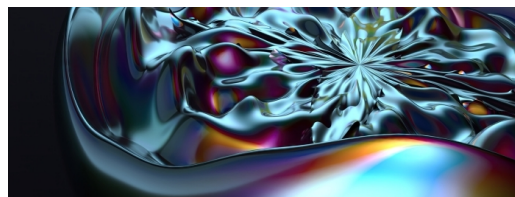




Topological Matter School 2024 (TMS24)



19.Ago - 23.Ago 2024

Cód. Z18-24

Mod.:
Presencial

Edición
2024

Tipo de actividad
Workshop

Fecha
19.Ago - 23.Ago 2024

Ubicación
Palacio Miramar

Idiomas
Inglés

Validez académica
50 horas

Web
<https://tms-dipc.org/>

DIRECCIÓN

Maia García Vergniory, Donostia International Physics Center

Comité Organizador

Fundación
BBVA



Descripción

Flat band materials offer a platform for enhancing correlation effects, rendering them an area of significant current interest. They present exceptional opportunities for exploring topology in correlated settings and correlation physics enriched by topology. Recent experiments on correlated kagome metals and moiré systems have unveiled evidence of peculiar behaviors, including strange-metal characteristics, charge density waves, nematic orders, and fractional Chern insulators within flat-band materials.

The following topics will be covered:

- Introduction to band theory and symmetry indicators
- Topological Flat bands and quantum geometry
- Heavy fermion systems
- Morié systems
- Kagome metals and charge density waves
- Strange metals

ORGANIZING COMMITTEE:

Maia G. Vergniory (DIPC, Max Planck)

Reyes Calvo (Universidad de Alicante)

Santiago BlancoCanosa (DIPC, Ikerbasque)

Adolfo Grushin (Institut NEEL - CNRS)

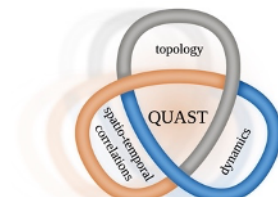
Alexander Altland (University of Cologne)

Julen Ibañez Azpiroz (CFM, Ikerbasque)

Objetivos

Throughout this school, our objective is to delve into the study of flat bands and these systems, as well as the intriguing physical phenomena they manifest, under the guidance of world-leading experts

Colaboradores específicos del curso



Dirigido por:



Maia García Vergniory

Donostia International Physics Center

Precios matrícula

REGISTRATION FEES

HASTA 21-07-2024

Fee Waiver	0 EUR
Regular Attendant	400,00 EUR

Lugar

Palacio Miramar

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa