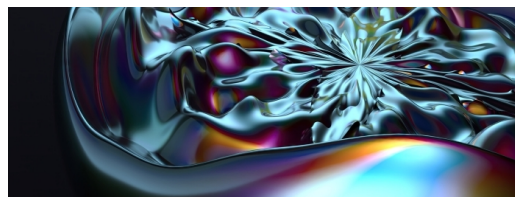




Topological Matter School 2024 (TMS24)



Abu. 19 - Abu. 23 2024

Kod. Z18-24

Mod.:

Aurrez aurrekoa

Edizioa

2024

Jarduera mota

Workshop

Data

Abu. 19 - Abu. 23 2024

Kokalekua

Miramar Jauregia

Hizkuntzak

Ingelesa

Balio akademikoa

50 ordu

Webgunea

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

Antolakuntza Batzordea

Fundación
BBVA



Azalpena

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
- Morie 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)

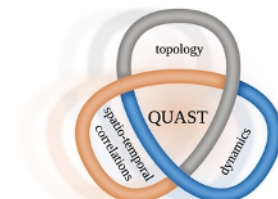
Alexander Altland (University of Cologne)

Julen Ibañez Azpiroz (CFM, Ikerbasque)

Helburuak

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

Ikastaroaren laguntzaile espezifikoak



Zuzendaritza



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Donostia International Physics Center

Irakasleak



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Stephen Wilson

UC Santa Barbara



Ming Yi

Rice University



Zhida Song

Peking University

Matrikula prezioak

REGISTRATION FEES	2024-07-23 ARTE
Fee Waiver	0 EUR
Regular Attendant	400,00 EUR

Kokalekua

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Gipuzkoa