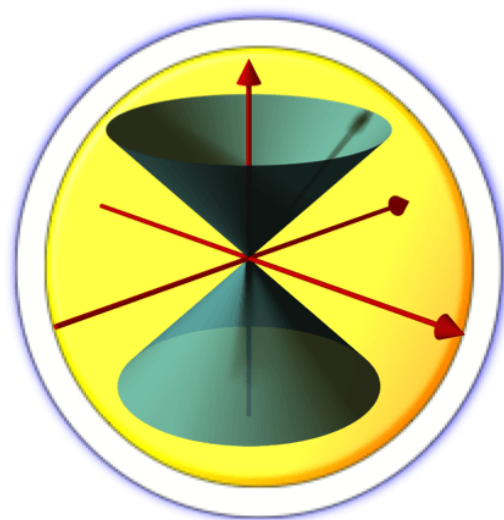




Topological Matter School 2019 (TMS19)



19.Août - 28.Août 2019

Cod. Z17-19

Modalité:
En personne

Édition
2019

Type d'activité
Workshop

Date
19.Août - 28.Août 2019

Location
Miramar Jauregia eta Donostia International Physics Center

Langues
Anglais

Reconnaissance officielle par l'État
50 heures

Comité d'organisation

Fundación
BBVA



Description

The Topological Matter School 2019 will feature lectures on topological classification, topological insulators, superconductors, and semimetals, the Integer and Fractional Quantum Hall states, anyons and topological order. Over one week, the school will provide extended lectures on these exciting topics by leading experts in both experiment and theory. The following topics will be covered:

- Topological classification.
- Topological Quantum Chemistry and the symmetry indicators.
- Experimental techniques such as growth, transport measurements and ARPES.
- Long range strong interactions such as Fractional Quantum Hall Effect, including theoretical lectures and talk about the main experiments.

After school there will be an optional course to give the opportunity to students to get in touch with Machine Learning in Condensed Matter Physics.

ORGANIZING COMMITTEE:

- Maia García Vergniory, Ikerbasque Research Fellow at DIPC, Donostia-San Sebastian (chair).
- M. Reyes Calvo, Ikerbasque Research Fellow at CIC Nanogune, Donostia-San Sebastián.
- Fernando de Juan, Ikerbasque Research Fellow at DIPC, Donostia-San Sebastian (chair).
- Adolfo Grushin, Institut Néel , Grenoble, France.
- Barry Bradlyn, University of Illinois Urbana-Champaign, Urbana, USA.
- Erwan Bocquillon, CNRS Researcher at Laboratoire Pierre Aigrain, Paris, France.

Objectifs

The aim of this oneweek school is a meeting targeting young researchers, as master and graduate students, for introducing the participants to the young field of topological states of matter as well as the latest advances.

The main goal is to cover basic and advanced aspects of the field, including the so interesting long range strong topological interactions.

Collaborateurs spécifiques au cours



Directed by



Maia García Vergniory

Donostia International Physics Center



Fernando de Juan Sanz

Donostia International Physics Center

Tarifs inscription

FEE WAIVER	JUSQU'AU 19-08-2019
FEE WAIVER	0 EUR

FEE WAIVER	JUSQU'AU 19-08-2019
TMS2019 school + SATELLITE course	550,00 EUR

FEE WAIVER	JUSQU'AU 19-08-2019
TMS2019 school only	350,00 EUR

FEE WAIVER	JUSQU'AU 19-08-2019
SATELLITE Course only	200,00 EUR