

RELATIVISTIC FERMIONS IN FLATLAND: FROM MOIRÉ MATERIALS TO GAUGE FIELD THEORIES

28 September – 2 October 2026

ECT* - Villa Tambosi, Villazzano

ORGANIZERS

Simon Hands - University of Liverpool

Holger Gies - Friedrich-Schiller-Universität

John Gracey - University of Liverpool

Igor Herbut - Simon Fraser University

Emilie Huffman - Wake Forest University

Lukas Janssen - TU Dresden

MAIN TOPICS

- Moiré materials
- Lattice fermions and quantum criticality
- Emergent gauge fields
- Quantum simulations

ECT* Director: Prof. Ubirajara van Kolck

The ECT* is part of the Fondazione Bruno Kessler. The Centre is funded by the Autonomous Province of Trento, funding agencies of EU Member and Associated states, and by INFN-TIFPA and has the support of the Department of Physics of the University of Trento.

For the organization please contact: Anna Pancheri – ECT* Secretariat - Villa Tambosi
Strada delle Tabarelle 286 | 38123 Villazzano (Trento) – Italy | Tel.:(+39-0461) 314722
E-mail: apancheri@ectstar.eu or visit <http://www.ectstar.eu>

