

## ITP Retreat 2024 – Final Program

**Location:** Emmy-Noether (Poster) and Hannah Vogt Saal (Talks), Alte Mensa, Wilhelmsplatz

**Date:** October 25, 2024

| Time            |                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 am         | <b>Welcome Address</b><br>Stefan Kehrein, Managing Director ITP                                                                              |
| 9:15 – 10:05    | <b>Quantum field simulation of dynamics in curved spacetime and cosmological particle production</b><br>Stefan Flörchinger, Universität Jena |
| 10:05 – 10:30   | <b>All-orders QCD predictions for hadronic final states</b><br>Steffen Schumann, ITP                                                         |
| 10:30           | Coffee Break                                                                                                                                 |
| 11:00 – 11:50   | <b>Invited talk: The bizarre one-dimensional quantum physics</b><br>Thierry Giamarchi, Université Geneva                                     |
| 11:50 – 12:15   | <b>SYK physics: From strange metals to black holes</b><br>Rishabh Jha, ITP                                                                   |
| 12:15 – 2pm     | Lunch – (self-organized)                                                                                                                     |
| 2pm – 2:50pm    | <b>Invited talk: Birds can fly - constructive aspects of dissipation</b><br>Christian Maes, KU Leuven                                        |
| 2:50 – 3:20pm   | Coffee Break                                                                                                                                 |
| 3:20 – 3:45pm   | <b>Barrier crossing with active Brownian particles</b><br>Rafael Diaz, ITP                                                                   |
| 3:45 – 4:10pm   | <b>Modelling Biological Membranes using Polymer Field Theory</b><br>Russell Spencer, ITP                                                     |
| 4:10pm – 6:30pm | <b>Poster Session</b>                                                                                                                        |
| 7:00            | <b>Dinner</b><br>Restaurant Amavi, Güterbahnhofstrasse 10                                                                                    |