

# New jet quenching tools to explore equilibrium and non-equilibrium dynamics in heavy-ion collisions

## Abstract

This workshop aims to bring together several communities studying the dynamics of jets in HIC experiments, the response of the matter to these probes, and the matter evolution itself. These communities study different but highly entangled subjects and would benefit from the combined developments and new opportunities to utilize the available tomographic tools jointly. The main goals of the workshop are to review and analyze the recent experimental and theoretical results, discuss the short term needs of each sub-field to be prioritized in the near future, and facilitate the cross-talk between them.

## Organizers

- Andrey Sadofyev (LIP) - Portugal
- Carlota Andres (LIP) - Portugal
- João Barata (BNL) - USA
- Carlos Salgado (IGFAE, USC) - Spain

## Keynote Speakers

João A. Gonçalves (LIP), Xin An (NCBJ), Dana Avramescu (University of Jyväskylä), Sergio Barrera Cabodevila (Universidade de Santiago de Compostela), Hannah Bossi (MIT), Paul Caucal (Subatech), André Cordeiro (LIP), Florian Cougoulic (University of Santiago de Compostela, IGFAE), Leticia Cunqueiro (Rome Sapienza University), Magdalena Djordjevic (University of Belgrade), Fabio Dominguez (IGFAE), Xiaojian Du (IGFAE), Jacopo Ghiglieri (SUBATECH), Yeonju Go (BNL), Pablo Guerrero-Rodríguez (LIP), Jeremy Hansen (Iowa State University), Sigtryggur Hauksson (IPhT, CEA, Université Paris-Saclay), Michal Heller (Ghent University), Jack Holguin (The University of Manchester), Barbara Jacak (University of California, Berkeley and Lawrence Berkeley Lab), Weiyao Ke (Central China Normal University), Carlos Lamas Rodríguez (IGFAE), Tuomas Lappi (University of Jyväskylä, Jyväskylä/Fi), Yen-Jie Lee (MIT, United States), Florian Lindenbauer (TU Wien), Nuno Olavo Madureira (Laboratório de Instrumentação e Física Experimental de Partículas), Xoán Mayo López (Universidade de Santiago de Compostela - IGFAE), Aleksas Mazeliauskas (Heidelberg University), Guilherme Milhano (LIP & IST), Christine Nattrass (University of Tennessee, Knoxville), Mateusz Ploskon (LBNL), Krishna Rajagopal (MIT), Matthew Sievert (New Mexico State University), João Silva (LIP / IGFAE), Alba Soto Ontoso (CERN), Ismail Soudi (University of Jyväskylä), Konrad Tywoniuk (University of Bergen), Shu-yi Wei (Shandong University)

**Director of ECT\*: Professor Gert Aarts**

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