

**Session Program**

**31 March 2025 to 4 April 2025**

**High energy probes of the initial stages**

***Session***

CERN, 4/3-006 - TH Conference Room

# Monday 31 March

09:00

## Session: Jets

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Dr Guilherme Milhano

09:00–09:45 **Jets as probes of the initial stages**

**Speaker**

Liliana Apolinario

09:45–10:30 **Jet quenching in the initial stages of HICs**

**Speaker**

Xoán Mayo López

10:30

11:00

## Session: Glasma

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Dr Guilherme Milhano

11:00–11:45 **Heavy quarks and quarkonia in the early stage of pA collisions**

**Speaker**

Marco Ruggieri

11:45–12:30

**Transport of heavy quarks and jets in the glasma pre-equilibrium stage**

**Speaker**

Dana Avramescu

12:30

14:30

## Session: Kinetic theory

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Krishna Rajagopal

14:30–15:15 **Jet-quenching parameter during Bottom-up**

**Speaker**

Eero Alekski Kurkela

15:15–16:00 **How jets broaden and lose energy during the initial stages**

**Speaker**

Florian Lindenbauer

16:00

# Tuesday 1 April

09:00

**Session: Initial stages**  
 Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Eero Alekski Kurkela

09:00–09:45 **Jet quenching in glasma**  
**Speaker**  
 Stanislaw Mrowczynski

09:45–10:30 **Far from equilibrium counterparts of near equilibrium phenomena**  
**Speaker**  
 Michal Heller

10:30

11:00

**Session: Transport, jets**  
 Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Eero Alekski Kurkela

11:00–11:45  
**Attenuation of jet partons and heavy quarks in strongly interacting QGP**  
**Speaker**  
 Elena Bratkovskaya

11:45–12:30 **Jets with preequilibrium quenching**  
**Speaker**  
 Adam Takacs

12:30–13:00 **Minijet equilibration from  $\hat{q}$**   
**Speaker**  
 Luyao Fabian Zhou

13:00

14:30

**Session: Glasma, Heavy flavors**  
 Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Joerg Aichelin

14:30–15:15  
**From momentum broadening in a 2+1D Glasma background towards 3+1D: exploring the dilute approximation and machine learning**  
**Speaker**  
 Andreas Ipp

15:15–16:00  
**Heavy flavor observables as a probe of the Glasma and the early magnetic field**  
**Speaker**  
 Vincenzo Greco

16:00

## Wednesday 2 April

09:00

### Session: Initial stages, holography

Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Marco Ruggieri

09:00–09:45

#### Adiabatically understanding pre-hydrodynamic and hydrodynamizing attractors

**Speaker**

Rachel Steinhorst

09:45–10:30

#### Dynamics of Heavy Quarks in Hot Yang-Mills Plasmas: lessons from strongly coupled $N=4$ SYM

**Speaker**

Bruno Scheihing

10:30

11:00

### Session: Jets

Session | Location: CERN, 4/3-006 - TH Conference Room | Convener: Marco Ruggieri

11:00–11:45

#### EFT approach to jet observables in heavy ion collisions

**Speaker**

Dr Yacine Mehtar-Tani

11:45–12:30

#### Jet modification in cold and hot QCD medium

**Speaker**

Dr Xin-Nian Wang

12:30–13:00

#### Exploring anisotropic QCD matter with jets

**Speaker**

João Martins da Silva

13:00

15:30

### Session: Initial stages, hard probes

Session | Location: CERN, 4/3-006 - TH Conference Room

15:30–15:45

#### An EEC Way to Image Elastic Scatterings and Jet Wakes in QGP

**Speaker**

Arjun Srinivasan Kudinoor

15:45–16:00

#### Study of Heavy Quark Momentum Broadening in a Non-Abelian Plasma in- and out-of-equilibrium

**Speaker**

Harshit Pandey

16:00–16:15

#### Heavy Quark Hadron RAA and $v_2$ in the Hybrid Model with Coalescence

**Speaker**

Jean Du Plessis

16:15-16:30

**Initial stage jet momentum broadening in a Light-Front Hamiltonian approach**

**Speaker**

Carlos Lamas

16:30

# Thursday 3 April

09:00

## Session: Jets experiment

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Dr Yacine Mehtar-Tani

09:00–09:45 **Recent highly-differential measurements examining jet quenching**

**Speaker**

Austin Alan Baty

09:45–10:30 **Probing the early stages of jet evolution with substructure**

**Speaker**

Leticia Cunqueiro Mendez

10:30

11:00

## Session: Jets and flow

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Dr Yacine Mehtar-Tani

11:00–11:45 **Hard/Soft Correlations in Small Systems**

**Speaker**

Ismail Soudi

11:45–12:30

**Going against the flow: Revealing the QCD degrees of freedom in hadronic collisions**

**Speaker**

Robin Törnkvist

12:30–13:15 **Unveiling imprint of early dynamics in jet quenching**

**Speaker**

Souvik Priyam Adhya

13:15

14:30

## Session: Heavy flavor experiment, Event generators

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Liliana Apolinario

14:30–15:15 **Heavy flavor experiment [Online]**

**Speaker**

Ming Xiong Liu

15:15–16:00 **Jet modifications from colour reconnections**

**Speaker**

Leif Lönnblad

16:00

# Friday 4 April

09:00

## Session: Initial stages, EM probes

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Stanislaw Mrowczynski

09:00–09:45

### Understanding chiral plasma instabilities and approach to thermalization in non-Abelian gauge theories

**Speaker**

Sayantana Sharma

09:45–10:30

### An electromagnetic phenomenology of the early stages

**Speaker**

Oscar Garcia-Montero

10:30

11:00

## Session: Hard probes, initial stages

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room | **Convener:** Stanislaw Mrowczynski

11:00–11:45

### Non-local high- $p_t$ transport in anisotropic QCD matter

**Speaker**

Dr Xiaojian Du

11:45–12:30

### Quark production in the bottom-up thermalization

**Speaker**

Sergio Barrera Cabodevila

12:30–13:15

### Leveraging the gluon splitting to heavy quarks for phenomenology

**Speaker**

Jasmine Therese Brewer

13:15