



ECT*
EUROPEAN CENTRE
FOR THEORETICAL STUDIES
IN NUCLEAR PHYSICS AND RELATED AREAS

PROBING THE CGC AND QCD MATTER AT HADRON COLLIDERS

WORKSHOP

IN CELEBRATION OF EDMOND IANCU'S 60TH BIRTHDAY

24-27 MARCH 2025

GALILEO GALILEI INSTITUTE

Largo Enrico Fermi, 2- 50125 Firenze - ITALY

ABSTRACT

The DIS of electrons off nuclei in the forthcoming EIC will offer a clean environment to explore parton dynamics at saturation. Likewise, the future SPHENIX program at RHIC and the analysis of current and upcoming data at the LHC will give possibilities to extract quark-gluon properties from hard probes such as jets. We wish to prepare for such challenges by building on the acquired expertise in the Color Glass Condensate and in the theory of jet quenching.

TOPICS

Color Glass Condensate
QCD resummations at small- x
Jet quenching

KEY SPEAKERS

Jean-Paul Blaizot, Yoshitaka Hatta,
Jamal Jalilian-Marian, Yuri Kovchegov,
Alex Kovner, Tuomas Lappi,
Larry McLerran, Yacine Mehtar-Tani,
Alfred Mueller, Xin-Nian Wang,
Bowen Xiao, Feng Yuan,
Raju Venugopalan

ORGANIZERS

Paul Caucal, Nantes, France
Francois Gelis, Saclay, France
Gregory Soyez, Saclay, France
Dionysios Triantafyllopoulos, ECT*, Italy

LOCAL ORGANIZER AND CONTACT
Dionysios Triantafyllopoulos
(trianta@ectstar.eu)

