

Session Program

29 August 2021 to 11 September 2021

QCD Master Class 2021

Student talk and discussion

Saint-Jacut-de-la-Mer
3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

Wednesday 1 September

16:30

Student talk and discussion

Session | **Location:** Saint-Jacut-de-la-Mer, 3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

16:30-17:00

Transverse momentum dependence in high energy collisions

Speaker

Etienne Blanco

17:00-17:30

Small-x asymptotics of the Quark Sivers function

Speaker

M. Gabriel Santiago

17:30-18:00

Hadronic vacuum polarization to the anomalous magnetic moment of the muon on the lattice

Speaker

Letizia Parato

18:00-18:30

Non-perturbative hadronisation corrections with the ARES method

Speaker

Ryan Wood

18:30

Friday 3 September

16:30

Student talk and discussion

Session | **Location:** Saint-Jacut-de-la-Mer, 3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

16:30-17:00 **A new Wilson line-based action for gluodynamics.**

Speaker

Hiren Kakkad

17:00-17:30 **Framework for the study of DDVCS phenomenology at NLO**

Speaker

Victor Martinez Fernandez

17:30-18:00 **Higher-order corrections to exclusive heavy vector meson production**

Speaker

Jani Penttala

18:00-18:30

Transverse Momentum broadening of jets in the medium due to coherent splitting vs. scattering

Speaker

Martin Rohrmoser

18:30

Monday 6 September

16:30

Student talk and discussion

Session | **Location:** Saint-Jacut-de-la-Mer, 3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

16:30-17:00

small-x resummation at the LHC for differential cross sections and beyond the leading logs

Speaker

Federico Silvetti

17:00-17:30

Generalization of high-pT parton's radiative energy loss beyond the soft-gluon approximation

Speaker

Bojana Ilic (Blagojevic)

17:30-18:00

A novel background field approach to the confinement-deconfinement transition

Speaker

Duifje van Egmond

18:00-18:30

Massive Event-Shape distributions at N2LL

Speaker

Alejandro Bris

18:30

Wednesday 8 September

10:30

Student talk and discussion

Session | **Location:** Saint-Jacut-de-la-Mer, 3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

10:30-11:00

Equation of state of cold and dense QCD matter in resummed perturbation theory

Speaker

Yuki Fujimoto

11:00-11:30

QCD at finite temperature and density: A scale invariant procedure of resummation of Feynman diagrams

Speaker

Loïc Fernandez

11:30-12:00

Mass corrections to the hard thermal/dense loops

Speaker

Marc Comadran

12:00-12:30

Minimal warm inflation with complete medium response

Speaker

Simona Procacci

12:30

Friday 10 September

15:00

Student talk and discussion

Session | **Location:** Saint-Jacut-de-la-Mer, 3 rue de l'Abbaye - BP 1 22750 Saint-Jacut-de-la-Mer

15:00-15:30

Impact of hadronisation process and hadronic cascades on the 2nd order susceptibilities studied with the EPOS event generator

Speaker

Johannes Jahan

15:30-16:00

BFKL dynamics: Introductory aspects and phenomenological perspectives

Speaker

Michael Fucilla

16:00

16:30

Student talk and discussion

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16:30-17:00

Phase diagram of strongly interacting matter from exotic pnjl model

Speaker

David Fuseau

17:00-17:30

The parton branching method for transverse momentum dependent PDFs

Speaker

Lissa Keersmaekers

17:30