

Session Program

16-20 Sept 2019



LC2019 - QCD on the light cone: from hadrons to heavy ions

Parallel 2

Ecole Polytechnique, Palaiseau, France, Amphithéâtre Sophie Germain
Centre Inria Saclay - Île-de-France Bâtiment Alan Turing 1 rue Honoré d'Estienne d'Orves Campus de l'École
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Monday 16 September

14:45

Parallel 2: Phenomenological models - Light-front quark models

Session | **Location:** Alan Turing Building, Salle Grace Hopper | **Convener:** Ruben Sandapen

14:45–15:10

Mean Field Quarks on the Light Front

Speaker

Christopher Leon

15:10–15:35

Holographic light-front QCD in B meson phenomenology

Speaker

Mohammad Ahmady

15:35–16:00

Study of twist-2 distribution amplitudes and the decay constants of pseudoscalar and vector heavy mesons in light-front quark model

Speaker

Nisha Dhiman

16:00

16:30

Parallel 2: Jet physics

Session | **Location:** Alan Turing Building, Salle Grace Hopper | **Convener:** Francois Gelis

16:30–16:55

Exclusive diffractive processes including saturation effects at next-to-leading order

Speaker

Samuel Wallon

16:55–17:20

Investigating transverse momentum distributions with jets

Speaker

Daniel G. Reyes

17:20–17:45

Forward jet cross sections: from trijet to NLO dijet

Speaker

Yair Mulian

17:45–18:10

Precision jet event shapes for future Electron-Ion-Collider

Speaker

Tanmay Maji

18:10

Tuesday 17 September

16:30

Parallel 2: Small-x physics and heavy ions - Saturation and evolution

Session | **Location:** Alan Turing Building, Salle Grace Hopper | **Convener:** Cyrille Marquet

16:30–16:55

Low x DIS at NLO in light-cone perturbation theory with massive quarks

Speaker

Risto S. Paatelainen

16:55–17:20

Dissociative production of vector mesons as a new tool to study gluon saturation at electron-ion colliders

Speaker

Dagmar Bendova

17:20–17:45

Impact parameter dependence of collinearly improved Balitsky-Kovchegov evolution

Speaker

Marek Matas

17:45–18:10

Sub-eikonal corrections and low-x helicity evolution

Speaker

Giovanni A. Chirilli

18:10–18:35

Conformal invariance of TMD rapidity evolution

Speaker

Giovanni A. Chirilli

18:35

Wednesday 18 September

14:45

Parallel 2: Phenomenological models - Covariant models

Session | **Location:** Alan Turing Building, Salle Grace Hopper | **Convener:** Tobias Frederico

14:45–15:10

3D imaging of the pion off-shell electromagnetic form factors

Speaker

Ho-Meoyng Choi

15:10–15:35

Quark mass function from a OGE-type interaction in Minkowski space

Speaker

Elmar Biernat

15:35–16:00

Making Sense of the Nambu-Jona-Lasinio Model via Scale Invariance

Speaker

Philip Mannheim

16:00

16:30

Parallel 2: Small-x physics and heavy ions - Gluon distributions

Session | **Location:** Alan Turing Building, Salle Grace Hopper | **Convener:** Jean-Philippe Lansberg

16:30–16:55

How to include exclusive J/ψ production data in global PDF analyses

Speaker

Chris Flett

16:55–17:20

Constraining gluon PDFs and TMDs with quarkonium production

Speaker

Melih Arslan Ozelik

17:20–17:45

The dipole picture and the non-relativistic expansion

Speaker

Miguel A. Escobedo

17:45–18:10

Accessing Linearly Polarized Gluon Distribution in J/ψ Production at the Electron-Ion Collider

Speaker

Raj Kishore

18:10–18:35

Prompt Photon Production as a probe of Gluon Sivers Function

Speaker

Siddhesh Padval

18:35