

Session Program

1-6 Aug 2022



XVth Quark Confinement and the Hadron Spectrum

Parallels Track E

University of Stavanger, Campus Ullandhaug

Monday 1 August

15:40

Parallels Track E: Monday II

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** robert pisarski

15:40–16:00

Search for QCD critical point by NA61/SHINE at the CERN SPS

Speaker

Mr Haradhan Adhikary

16:00–16:20

NLO JIMWLK evolution with massive quarks

Speaker

Lin Dai

16:20–16:50

NNLO HTLpt predictions for the curvature of the QCD phase transition line

Speaker

Michael Strickland

16:50–17:10

QCD factorization amplitudes from SU(3) symmetries

Speaker

Gilberto Tetlalmatzi-Xolocotzi

17:10

Tuesday 2 August

14:00

Parallels Track E: Tuesday I

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** Martin Hoferichter

14:00–14:20

Short-distance constraints on the hadronic light-by-light

Speaker

Nils Hermansson-Truedsson

14:20–14:40

Reconciling the FOPT and CIPT predictions for the tau hadronic spectral function moments

Speaker

Mr Miguel Benitez-Rathgeb

14:40–15:00

The two-photon decay of $X(6900)$ from light-by-light scattering at the LHC

Speaker

Volodymyr Biloshytskyi

15:00

15:40

Parallels Track E: Tuesday II

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** Michael Strickland

15:40–16:00

Searching for a leptophobic $U(1)_B$ boson in $\eta(\prime) \rightarrow \pi^0 \gamma \gamma$ and $\eta' \rightarrow \eta \gamma \gamma$

Speaker

Rafel Escribano

16:00–16:20

Subleading twist TMDs in the light-front quark-diquark model

Speaker

Dr Harleen Dahiya

16:40–17:00

New results for Reggeons field using FRG

Speakers

Dr Carlos Contreras, Gian Paolo Vacca

17:00

Thursday 4 August

14:00

Parallels Track E: Thursday I

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** William Jay

14:00–14:30

Direct CP violation in $K \rightarrow \pi \pi \pi$ decay on the lattice with periodic boundary conditions

Speaker

Masaaki Tomii

14:30–15:00

Review of Lattice QCD calculations for rare Kaon decays

Speaker

Ryan Hill

15:00

15:40

Parallels Track E: Thursday II

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** Daniel Nogradi

15:40–16:00

Nucleon scalar and tensor couplings from lattice QCD at the physical point

Speaker

Ryutaro Tsuji

16:00–16:30

New developments in heavy flavor physics.

Speaker

William Jay

17:00

Friday 5 August

15:40

Parallels Track E: Friday II

Session | **Location:** UiS, AR G-101, On the ground floor of the AR building | **Convener:** Masaaki Tomii

15:40–16:10

Preliminary Lattice QCD Study of $\pi\pi \rightarrow \rho\rho$ Matrix Elements for Neutrinoless Double-Beta Decay

Speaker

Anthony Grebe

16:10–16:30

The semi-classical topological susceptibility at high temperature revisited

Speaker

Daniel Nogradi

16:30–16:50

Topological susceptibility in high temperature QCD: a new investigation with spectral projectors

Speaker

Claudio Bonati

17:00