

## **Session Program**

**21-29 Aug 2019**



# **8th International Conference on New Frontiers in Physics (ICNFP 2019)**

***Workshop on QCD***

# Thursday 22 August

11:00

## Workshop on QCD

Session | Location: Room 3 | Convener: Prof. Owe Philipsen

11:00-11:30 **QCD phase diagram and baryon number fluctuations from DSEs**

**Speaker**

Prof. Christian Fischer

11:30-12:00 **The impact of fluctuations on the QCD phase structure**

**Speaker**

Bernd-Jochen Schaefer

12:00-12:30 **Quark-diquark models and fluctuations in thermal QCD**

**Speaker**

Dr Eugenio Megias

12:30-13:00 **Symmetry, Confinement, and the Higgs Phase**

**Speaker**

Prof. Jeff Greensite

13:00-13:30 **Branching of Center Vortices in SU(3) Lattice Gauge Theory**

**Speaker**

Prof. Hugo Reinhardt

13:30

15:00

## Workshop on QCD

Session | Location: Room 3 | Convener: Lorenz von Smekal

15:00-15:30 **Three regimes of QCD**

**Speaker**

Leonid Glazman

15:30-16:00 **Lifshitz Regime and the phase diagram of QCD**

**Speaker**

Semeon Valshev

16:00

16:30

## Workshop on QCD

Session | Location: Room 1 | Convener: Christian Fischer

16:30-17:00 **On the Phase Structure & Dynamics of QCD**

**Speaker**

Jan M. Pawłowski

17:00-17:30

**QCD in the heavy dense regime for large  $N_c$ : on the existence of quarkyonic matter**

**Speaker**

Prof. Owe Philipsen

17:30-18:00

**In-medium spectral functions of vector and axial-vector mesons from analytically continued FRG flow equations**

**Speaker**

Prof. Lorenz von Smekal

18:00-18:30

**'Effective locality and chiral symmetry breaking in QCD'.**

**Speaker**

Thierry Grandou

18:30-19:00

**Schwinger based QCD formulation's derivation of elastic pp scattering**

**Speaker**

peter tsang

19:00-19:30

**On the generalised spectral structure of QCD propagators**

**Speaker**

Peter Lowdon

19:30

## Friday 23 August

11:00

### Workshop on QCD

Session | Location: Room 3 | Convener: Jeff Greensite

11:00-11:30 **Spectroscopy of Heavy-Flavor Baryons**

**Speaker**

Prof. Willibald Plessas

11:30-12:00

### Aspects of Top-Down Holographic Large-N Thermal QCD at Finite Coupling

**Speaker**

Aalok Misra

12:00-12:30 **Topological Objects in Holographic QCD**

**Speaker**

Hideo Suganuma

12:30-13:00

### Probing perturbative QCD using electroweak bosons at the ATLAS detector

**Speaker**

Dr Vasiliki Kouskoura

13:00