

## **Session Program**

**Aug 8 - 13, 2022**



# **The 39th International Symposium on Lattice Field Theory (Lattice 2022)**

## ***Vacuum Structure, Confinement, and Chiral Symmetry***

Hörsaalzentrum Poppelsdorf, Alle Räume  
Endericher Allee 19 C, 52115 Bonn, Germany

## Tue, August 9

2:00 PM

### Vacuum Structure, Confinement, and Chiral Symmetry: Vacuum Structure, Confinement, and Chiral Symmetry I

Session | Location: CP1-HSZ, CP1-HSZ/1.001 (CP1-HSZ) - HS5 | Convener: Uwe-Jens Wiese

2:00 – 2:20 PM

#### Chiral Symmetry Breaking in QED induced by an External Magnetic Field

**Speaker**

Donald Sinclair

2:20 – 2:40 PM

#### Towards glueball masses of large- $N$ $SU(N)$ Yang-Mills theories without topological freezing via parallel tempering on boundary conditions

**Speaker**

Dr Claudio Bonanno

2:40 – 3:00 PM

#### Quarks and Triality in a Finite Volume

**Speaker**

Milad Ghanbarpour

3:00 – 3:20 PM

#### Emergent phenomena from centre vortices in dynamical QCD

**Speaker**

Waseem Kamleh

3:20 – 3:40 PM

#### Topological susceptibility in high temperature full QCD via staggered spectral projectors

**Speaker**

Francesco D'Angelo

4:00 PM

4:30 PM

### Vacuum Structure, Confinement, and Chiral Symmetry: Vacuum Structure, Confinement, and Chiral Symmetry II

Session | Location: CP1-HSZ, CP1-HSZ/1.001 (CP1-HSZ) - HS5 | Convener: Waseem Kamleh

4:30 – 4:50 PM

#### Numerical investigation of automatic fine-tuning in the Schwinger model

**Speaker**

Niklas Pielmeier

4:50 – 5:10 PM

#### Non-invertible self-duality defects of Cardy-Rabinovici model and mixed gravitational anomaly

**Speaker**

Yui Hayashi

5:10 – 5:30 PM

#### Topological susceptibility, scale setting and universality from $Sp(N_c=2N)$ gauge theories

**Speaker**

Davide VDACCHINO

5:30 - 5:50 PM

**Charged Particles in C-periodic Volumes**

**Speaker**

Uwe-Jens WIESE

5:50 - 6:10 PM

**SU(N) fractional instantons**

**Speaker**

Jorge Luis DASILVA GOLÁN

6:30 PM