

## **Session Program**

**26-28 Jul 2023**



**19th International Conference on  
QCD in Extreme Conditions (XQCD 2023)**

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Extreme Conditions (XQCD 2023)**

### ***Parallel session B***

Department of Physics (University of Coimbra), Auditorium C.1

## Wednesday 26 July

14:00

### Parallel session B: 1, Chair: Feliciano de Soto

**Session** |**Location:** Department of Physics (University of Coimbra), Auditorium AD1, Department of Physics (University of Coimbra)

14:00-14:25

#### Towards a universal description of hadronic phase of QCD

**Speaker**

Dr Aman Abhishek

14:25-14:50

#### QCD equation of state at finite isospin density from the linear sigma model with quarks

**Speaker**

Aritra Bandyopadhyay

14:50-15:15

#### Towards a Stability Analysis of Inhomogeneous Phases in QCD

**Speaker**

Theo Motta

15:15

15:45

### Parallel session B: 2, Chair: Massimo Mannarelli

**Session** |**Location:** Department of Physics (University of Coimbra), Auditorium AD1, Department of Physics (University of Coimbra)

15:45-16:10

#### QCD with fundamental and adjoint matter

**Speaker**

Dr Mohamed Anber

16:10-16:35

#### Interferometry in a Moat Regime

**Speaker**

Fabian Rennecke

17:00

## Thursday 27 July

16:00

### Parallel session B: 3, Chair: Vivian Incera

**Session** |

**Location:** Department of Physics (University of Coimbra), Auditorium AD1, Department of Physics (University of Coimbra)

16:00–16:25

#### **Color-superconductivity of asymptotically conformal quark matter as a portal between astrophysics and heavy ions collisions**

**Speaker**

Oleksii Ivanytskyi

16:25–16:50

#### **How baryons appear in low-energy QCD: Domain-wall Skyrmion phase in strong magnetic fields**

**Speaker**

Kentaro Nishimura

16:50

17:15

### Parallel session B: 4, Chair: Vivian Incera

**Session** |

**Location:** Department of Physics (University of Coimbra), Auditorium AD1, Department of Physics (University of Coimbra)

17:15–17:40

#### **The sharpness of the quark-hadron transition and the properties of hybrid stars**

**Speaker**

Dr Fernando Navarra

17:40–18:05

#### **Do hadronic stars and strange quark stars coexist?**

**Speaker**

Francesco Di Clemente

18:05

## Friday 28 July

14:00

### Parallel session B: 5, Chair: Maja Katarzyna Mackowiak-Pawlowska

**Session** |**Location:** Department of Physics (University of Coimbra), Auditorium AD1, Department of Physics (University of Coimbra)

14:00-14:25

**Universal properties of ideal hydrodynamic evolution near the QCD critical point****Speaker**

Noriyuki Sogabe

14:25-14:50

**Does quark-gluon plasma feature an extended hydrodynamic regime?****Speaker**

Dr Yi Yin

14:50-15:15

**Causality and stability in first-order conformal anisotropic hydrodynamics****Speaker**

Masoud Shokri

15:15-15:40

**Centrality Dependence of Multistrange and Strange Antibaryon Production in Heavy-Ion Collisions at High Energies****Speaker**

Prof. CARLOS MERINO

15:40