

## **Session Program**

**26-28 Jul 2023**



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

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Extreme Conditions (XQCD 2023)**

### ***Plenary session***

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

# Wednesday 26 July

11:00

## Plenary session: 1, Chair: Gert Aarts

**Session** | **Location:** Department of Physics (University of Coimbra), Auditorium C.1

**11:00-11:25** **Building a realistic neutron star from holography**

**Speaker**  
Andreas Schmitt

**11:25-11:50**

**Topology and robustness of a quark matter phase candidate for magnetars core**

**Speaker**  
Vivian Incera

**11:50-12:15** **The critical endpoint at large  $N_c$**

**Speaker**  
Dr Péter Kovács

12:15

# Thursday 27 July

10:30

## Plenary session: 2, Chair: Efrain Ferrer

**Session** | **Location:** Department of Physics (University of Coimbra), Auditorium C.1

10:30-10:55

### Magnetic enhancement of baryon confinement modeled via a deformed Skyrmion

**Speaker**

Prof. Kenji Fukushima

10:55-11:20

### Hydrodynamics of fluctuations and maximum entropy freeze-out

**Speaker**

Misha Stephanov

11:20-11:45

### Jet quenching in glasma

**Speaker**

Stanislaw Mrowczynski

11:45-12:10

### Helicity conservation in relativistic perfect fluids

**Speaker**

Cristina Manuel

12:10

## Friday 28 July

10:15

### Plenary session: 3, Chair: Misha Stephanov

Session | Location: Department of Physics (University of Coimbra), Auditorium C.1

10:15-10:40

#### Quarks in a finite volume and deconfinement as percolation of center-electric fluxes in QCD

**Speaker**

Prof. Lorenz von Smekal

10:40-11:05

#### Topological structure of the QCD vacuum at finite temperature

**Speaker**

Dr Waseem Kamleh

11:05-11:30

#### Anomalous Electromagnetism in QCD at intermediate baryonic densities

**Speaker**

Efrain J Ferrer

11:30-11:55

#### Inhomogeneous meson condensation

**Speaker**

Massimo Mannarelli

11:55

16:10

### Plenary session: Closing remarks

Session | Location: Department of Physics (University of Coimbra), Auditorium C.1

16:25