

# XQCD 2022

The 18th International Conference on QCD in Extreme Conditions



The ExtreMe Matter Institute - EMMI



## XQCD 2022

July 27-29, NTNU, Trondheim

### Invited speakers

Gergely Endrodi (Bielefeld U)  
Robert Pisarski (Brookhaven)  
Claudia Ratti (Houston U)  
Denes Sexty (Wuppertal)  
Misha Stephanov (Chicago)  
Aleksi Vuorinen (Helsinki)

### Topics

- QCD at Finite Temperature and Density
- Heavy Ion Collisions Phenomenology
- Phase Diagram of Strongly Interacting Matter
- Properties of the Quark-Gluon Plasma
- Properties of Strongly Interacting Gauge Theories
- The Sign Problem in Lattice QCD
- QCD in External Fields
- Neutron Stars

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## PhD School

July 22-25, Univ. of Stavanger

### Invited lecturers

Gergely Endrodi (Bielefeld U)  
Jacopo Ghiglieri (CERN)  
Toru Kojo (CCNU)  
Aleksi Kurkela (CERN/UIS)

### Topics

- Lattice QCD in extreme conditions
- Neutron stars & multi-messenger physics
- Modern perturbation theory
- QCD in relativistic heavy-ion collisions

Email: [xQCD2020PhDSchool@uis.no](mailto:xQCD2020PhDSchool@uis.no)

## Local Organizing Committee

Jens O. Andersen (Chair) (NTNU)  
Alexander Rothkopf (Co-chair) (UiS)  
Tomas Brauner (UiS)  
Anders Tranberg (UiS)

## International Advisory Committee

Gert Aarts (Swansea)  
Andrei Alexandru (GWU)  
Ying Chen (IHEP/CAS)  
Massimo D'Elia (Pisa)  
Philippe de Forcrand (ETHZ/CERN)  
Heng-Tong Ding (CCNU)  
Kenji Fukushima (Tokyo)  
Margarita Garcia Perez (IFT UAM-CSIC)  
Frithjof Karsch (Bielefeld)  
Kurt Langfeld (Liverpool)  
Maria Paola Lombardo (INFN)

Tereza Mendes (Sao Paulo)  
Atsushi Nakamura (Osaka/FEFU)  
Owe Philipsen (Frankfurt)  
Krishna Rajagopal (MIT)  
Kim Splittorff (NBI)  
Michael Strickland (Kent State)  
Jacobus Verbaarschot (Stony Brook)  
Aleksi Vuorinen (Helsinki)  
Urs Wenger (Bern)  
Nu Xu (LBNL/CCNU)

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