

Collective effects in nucleons and nuclei, phase diagram of QCD

Updates from WG2

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GDR summer school - organisation ongoing

3 places left
(for experimentalists!)

Structure:

2 lectures in the morning, 1 lecture in the afternoon followed by hands-on sessions and students' presentations

Lecturers:

L. Cunqueiro, T. Galatyuk, PB Gossiaux, V. Koch, JY Ollitrault, A. Schmitt, A. Uras, K. Werner, P. Zurita, S. Porteboeuf

Heavy Ion Collisions in the QCD phase diagram
June 27-July 8, 2022 Subatech, Nantes (France)

Summer School

SCIENTIFIC TOPICS

- Initial state and (nuclear) parton distribution functions
- Hydrodynamics & quark-gluon plasma (QGP)
- QGP thermodynamics & thermal field theory
- Heavy quarks as probes of the QGP
- Jets as probes of the QGP
- In-medium modifications of hadrons
- Fluctuations and critical phenomena in the QCD phase diagram
- Compact stars
- From raw data to observables
- From event generators to data comparison

Organizing committee

Marcus BLUHM (Subatech)	Marlene NAHRGANG (Subatech)
Maxime GUILBAUD (Subatech)	Isabelle OLLITRAULT (Subatech)
Antonin MAIRE (IPHC)	Tanja PIERRET (Subatech)
Cyrille MARQUET (CPHT)	Béatrice RAMSTEIN (JCLab)
Carlos MUÑOZ CAMACHO (JCLab)	Michael WINN (DPH/CEA)

Logos: CNRS, CEA, P2IO, STRONG 2020, Subatech, GSI, EMMI

Contact us: indico.in2p3.fr/e/HICschool2022
HICschool2022@subatech.in2p3.fr

QR code: Scan me

<https://indico.in2p3.fr/event/26074/>

Workshop on collectivity in the QCD phase diagram

(originally planned for 2021 - it was a difficult year for everyone...)

- Core of the workshop would be theoretical
- Target: French/European community
- Invitation of experimentalists to summarize the status in various experiments

- Date: End of this year
- Topic: Rather broad regarding collectivity from high to low energy and large to small systems

Renew interest to collaborate with other WG or GDR

(originally planned for 2021 - it was a difficult year for everyone...)

- Organise combined workshops around HIC or astrophysics
- ...

Merci!