



Hotel du Beryl, Bagnoles de l'Orne

Introductory remarks
QGP-France 2023 @ Bagnoles de l'Orne

A. Baldisseri
CEA Saclay



QGP-France

- What it is? Community working on QGP in France
- Annual meeting (previously in Tours)
 - ▶ Experimentalists: LHC (ALICE, CMS, LHCb), sPHENIX,...
 - ▶ Theoreticians
- Priority to talks from young people (PHD students and postdocs)
- Favor the exchanges. Keep it informal.
- Edition 2023
 - ▶ Program focalized on physics: experimental (end of Run 2) & theoretical progress
 - ▶ First highlights of LHC Run 3
 - ▶ Future projects for the QGP physics: mainly LHC Run 4 / 5

Monday Agenda

15:20 → 20:00 **Revues**

15:25

introductory remarks

Orateur: Alberto Baldisseri (Université Paris-Saclay (FR))

🕒 5m

15:30

CMS overview

Orateur: Jing Wang (CERN)

🕒 35m

16:05

LHCb overview

Orateur: Óscar Boente García (Laboratoire Leprince-Ringuet, Ecole polytechnique)

🕒 35m

16:40

ALICE overview

Orateur: Batoul Diab (Université Paris-Saclay (FR))

🕒 35m

17:15

pause café

🕒 30m

17:45

EPOS4 overview

Orateur: Klaus WERNER (subatech)

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🕒 35m

18:20

The MUSES project

Orateur: Dr Johannès Jahan (University of Houston - Department of Physics)

🕒 35m

19:00

Cocktail d'accueil

🕒 1h

20:00 → 22:00

Dîner

🕒 2h

Tuesday Agenda

09:00 → 12:00 mardi matin

- 09:00 **Hard probes from the viewpoint of open quantum systems** ⌚ 25m
Orateur: Jean-Paul Blaizot (IPhT, University Paris-Saclay)
- 09:25 **polarization des upsilon en PbPb, CMS** ⌚ 25m
Orateur: Saeahram Yoo (University of California Davis (US))
- 09:50 **Charm production with LHCb fixed-target** ⌚ 25m
Orateur: Kara Mattioli (Centre National de la Recherche Scientifique (FR))
- 10:15 **pause café** ⌚ 30m
- 10:45 **Heavy quark hadronization in high-multiplicity events with LHCb** ⌚ 25m
Orateur: Chenxi Gu (Centre National de la Recherche Scientifique (FR))
- 11:10 **Double charm production studies in Run 3 with ALICE** ⌚ 25m
Orateur: Andrea Tavira Garcia (Université Paris-Saclay (FR))
- 11:35 **Open charm symmetries in pNe with LHCb** ⌚ 25m
Orateur: Gabriel Ricart (CEA/Irfu/DPhN)

12:30 → 14:00

Déjeuner

⌚ 1h 30m

16:00 → 19:00

Mardi après-midi

- 16:00 **SUBA-jet : new model for jet energy loss in Heavy Ion Collisions** ⌚ 25m
Orateur: Dr Alexander Lind (Subatech, IMT Atlantique)
- 16:25 **jet showers in the Lund plane** ⌚ 25m
Orateur: Cristian Baldenegro Barrera (Laboratoire Leprince-Ringuet)
- 16:50 **polarization of jets at early times in heavy ion collisions** ⌚ 25m
Orateur: Sigtryggur Hauksson (IPhT - CEA)
- 17:15 **pause café** ⌚ 30m
- 17:45 **photon-tagged jet substructure in heavy ion collisions with CMS** ⌚ 25m
Orateur: Bharadwaj Harikrishnan (LLR, École polytechnique (FR))
- 18:10 **Resolving b-jet substructure with b-hadron decay products** ⌚ 25m
Orateur: Lida Kalipoliti (LLR, École Polytechnique (FR))

20:00 → 22:00

Dîner

⌚ 2h

Wednesday Agenda

09:00 → 12:00 Mercredi matin

- 09:00 **status of LHCb upgrade** ⌚ 25m
Orateur: Stefano Matthias Panebianco (Université Paris-Saclay (FR))
- 09:25 **status of ALICE upgrade** ⌚ 25m
Orateur: Antonio Uras (Centre National de la Recherche Scientifique (FR))
- 09:50 **CMS muons reconstruction performance in heavy ion collisions** ⌚ 25m
Orateur: Florian Damas (LLR - Centre National de la Recherche Scientifique (FR))
- 10:15 **pause café** ⌚ 30m
- 10:45 **Luminosity measurement at LHCb** ⌚ 25m
Orateur: Rita Sadek (Centre National de la Recherche Scientifique (FR))
- 11:10 **J/psi photoproduction in PbPb with ALICE** ⌚ 25m
Orateur: Afnan Shatat (Université Paris-Saclay (FR))
- 11:35 **photoproduced J/psi polarization in PbPb with ALICE** ⌚ 25m
Orateur: Dukhishyam Mallick (IJCLab, Orsay)

12:30 → 14:00

Déjeuner

⌚ 1h 30m

16:00 → 20:00 Mercredi après-midi

- 16:00 **What carries baryon number? Simulations of baryon and electric charge stopping in isobar collisions** ⌚ 25m
Orateur: Gregoire Pihan
- 16:25 **Attractors and fixed points for chiral hydrodynamic** ⌚ 25m
Orateur: Dr Nora Weickgenannt (IPhT, University Paris-Saclay)
 QGP_France_Nora...
- 16:50 **What does the slope of the prompt dilepton mass tell us ?** ⌚ 25m
Orateur: Michael Winn (Université Paris-Saclay (FR))
- 17:15 **pause café** ⌚ 30m
- 17:45 **Quick estimation of acceptance-efficiency in muon spectrometer** ⌚ 25m
Orateur: Emilie Barreau (Centre National de la Recherche Scientifique (FR))
- 18:10 **Performances studies of quarkonia measurements in Run3 data at forward rapidity.** ⌚ 25m
Orateur: Nicolas Bizé (Subatech - Nantes Université)
- 18:35 **Monitoring of data-MC discrepancies with MCH-cluster maps** ⌚ 25m
Orateur: Victor Valencia Torres (Centre National de la Recherche Scientifique (FR))

20:00 → 22:00

Dinner

⌚ 2h