

Rencontres QGP-France

Etretat 5-8 juillet 2021

Comité d'organisation
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Introductory remarks
QGP-France 2021

A. Baldisseri
CEA Saclay



- What it is? Community working on QGP in France
- Annual meeting in Etretat
 - Experimentalists: RHIC, LHC (ALICE, CMS, LHCb)
 - Theoreticians
- Priority to talks from young people (PHD students and postdocs)
- Favor the exchanges. Keep it informal.
- Edition 2021
 - After the cancelation of the 2020 edition due to COVID pandemic...
 - Program focalized on physics: experimental & theoretical progress
 - Follow up of the prospectives for the future of the QGP physics: mainly LHC Run 4 / 5
- Pandemic measures
 - Mask wearing inside the buildings
 - Keep the distances
 - Wash your hands regularly

Monday Agenda

12:30 → 14:00	Lunch	🕒 1h 30m
15:00 → 16:55	Overview talks	📄
15:00	Introductory remarks Speaker: Alberto Baldisseri (CEA/IRFU, Centre d'étude de Saclay Gif-sur-Yvette (FR))	🕒 10m 📄
15:10	LHCb overview Speaker: Dr Benjamin Audurier (Centre national de la recherche scientifique)	🕒 35m 📄
15:45	CMS overview Speaker: Matthew Nguyen (Centre National de la Recherche Scientifique (FR))	🕒 35m 📄
16:20	ALICE overview Speaker: Maxime Gullbaud (Subatech - IMT Atlantique Nantes)	🕒 35m 📄
16:55 → 17:25	Coffee break	🕒 30m
17:25 → 17:55	Upgrades	📄
17:25	Commissioning of the Muon Forward Tracker and preparation of data analysis (LHC, CERN) Speaker: Rita Sadek (Centre National de la Recherche Scientifique (FR))	🕒 30m 📄
17:55 → 19:25	Soft particle production and QCD phase diagram	📄
17:55	Testing CPT theorem via the mass differences between anti-hyperons and hyperons with pp data of LHC run II Speaker: Romain Schotter (Centre National de la Recherche Scientifique (FR))	🕒 30m 📄
18:25	Energy and Flavour Dependence of the Chemical Freeze-out of in Heavy Ion Collisions via Statistical Hadronization Speaker: Fernando Antonio Flor (University of Houston (US))	🕒 30m 📄
18:55	Correlated production for strangeness : measurement of the yield ratio of Omega (sss) and Phi(ssbar) with pp data of LHC run II Speaker: Romain Schotter (Centre National de la Recherche Scientifique (FR))	🕒 30m 📄
19:25 → 20:00	Apéritif	🕒 35m
20:00 → 22:00	Dinner	🕒 2h

Tuesday Agenda

Morning

09:00 → 10:35 **Open heavy flavours**

09:00 **Review talk on heavy flavour production**

Speaker: Pol Gosslaux (Subatech)

09:35 **Kt-factorization calculations for D and B meson production using a variable-flavor-number scheme**

Speaker: gulot benjamin (Universidad frederico santa maria)

10:05 **First observation of Bc meson production in PbPb and pp collisions with CMS**

Speaker: Guillaume Falmagne

10:35 → 11:00

Coffee break

11:00 → 11:30 **Open heavy flavours**

11:00 **Heavy flavour production in fixed target at LHCb**

Speaker: Felipe Andres Garcia Rosales (Centre National de la Recherche Scientifique (FR))

11:30 → 12:30 **Soft particle production and QCD phase diagram**

11:30 **Dynamical Thermalization in Heavy-Ion Collisions**

Speaker: Mrs Mahbobeh JAFARPOUR (CNRS)

12:00 **Bottom-up thermalisation at next-to-leading order**

Speaker: Jacopo Ghiglieri (Centre National de la Recherche Scientifique (FR))

12:30 → 14:00

Lunch

Afternoon

16:00 → 17:00 **Jets and hadrons**

16:00 **Charm jets production and properties at ALICE**

Speaker: Mr Yitao Wu (University of Science and Technology of China (CN))

16:30 **Fragmentation of jets containing a prompt J/psi meson in pp and PbPb collisions at 5 TeV with CMS**

Speaker: Batoul Diab (Centre National de la Recherche Scientifique (FR))

17:00 → 17:30

Coffee break

17:30 → 19:30 **Quarkonia**

17:30 **JPsi elliptic flow in pp collisions at 13 TeV**

Speaker: Sebastien Perrin (Université Paris-Saclay (FR))

18:00 **Bottomonium production in heavy-ion collisions at the LHC**

Speaker: Florian Damas (Centre National de la Recherche Scientifique (FR))

18:30 **Preliminary study of di-j/psi production in pp collisions at 13 TeV**

Speaker: Sizar Aziz (Université Paris-Saclay (FR))

19:00 **$\Psi(2S)$: MEASURING THE EXCITED COUSIN OF J/ Ψ**

Speaker: Kunal Garg (Centre National de la Recherche Scientifique (FR))

20:10 → 22:10

Dinner

Wednesday Agenda

Morning

09:00 → 10:30 Quarkonia

- 09:00 **Multiplicity dependence of Upsilon production at forward rapidity in pp collisions at $\sqrt{s} = 13$ TeV**
Speaker: Ms Yanchun Ding (Institut de Physique des 2 Infinis de Lyon)
- 09:30 **Phase space coalescence model for Quarkonium production in heavy ion collision**
Speaker: Denys Yen Arrebato Villar (IMT Atlantique)
- 10:00 **Heavy quarkonium production in hadronic collisions**
Speaker: Kazuhiro Watanabe (Subatech)

10:30 → 11:00

Coffee break

11:00 → 11:30 Quarkonia

- 11:00 **Probing gluons with exclusive J/Psi photoproduction**
Speaker: Aude Glaenger (Université Paris-Saclay (FR))

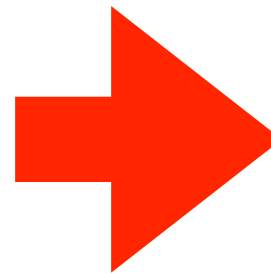
11:30 → 12:30 Cold QCD and small systems

- 11:30 **Photon-jet production and angular correlations in proton-nucleus collisions**
Speaker: Jamal Jalilian-Marian (Baruch College)
- 12:00 **Extracting di-muon pairs produced via two photon scattering in PbPb peripheral collisions at 5.02 TeV in ALICE**
Speaker: Mr Nicolas Bizé (Subatech)

12:30 → 14:00

Lunch

Invités
L. Vacavant (IN2P3 DAS)
F. Sabatié (IRFU/DPhN)



Afternoon

15:30 → 17:00 Prospectives

- 15:30 **Prospectives ALICE 3**
Speaker: Antonio Uras (Centre National de la Recherche Scientifique (FR))
- 16:00 **Prospectives ALICE ITS3**
Speaker: Jouri Belikov (Centre National de la Recherche Scientifique (FR))
- 16:20 **Prospectives ALICE FOCAL (ZOOM)**
Speaker: Rachid Guernane (Centre National de la Recherche Scientifique (FR))
- 16:40 **Prospectives ALICE FT (ZOOM)**
Speaker: Charlotte Van Hulse

17:00 → 17:30

Coffee break

17:30 → 19:40 Prospectives

- 17:30 **Prospectives CMS**
Speakers: Andre Govinda Stahl Leiton, Andre Govinda Stahl Leiton (Rice University (US))
- 18:00 **Prospectives LHCb U2**
Speaker: Michael Andreas Winn (Université Paris-Saclay (FR))
- 18:30 **Prospectives LHCb calorimétrie**
Speaker: Patrick Robbe (Université Paris-Saclay (FR))
- 18:50 **Prospectives LHCb tracking**
Speaker: Stefano Matthias Panebianco (Université Paris-Saclay (FR))
- 19:10 **Discussion**

20:00 → 22:00

Dinner

PROTÉGEONS-NOUS LES UNS LES AUTRES



**Aérer les pièces
le plus souvent possible**



**Respecter une distance
d'au moins deux mètres
avec les autres**



**Porter un masque chirurgical
ou en tissu de catégorie 1 quand
la distance de deux mètres
ne peut pas être respectée**



**Limiter au maximum
ses contacts sociaux**



**Tousser ou éternuer
dans son coude
ou dans un mouchoir**



**Se moucher
dans un mouchoir
à usage unique**



**Se laver régulièrement
les mains ou utiliser
une solution hydro-alcoolique**



**Saluer sans serrer la main
et arrêter les embrassades**



**Eviter de se toucher le
visage**



Utiliser les outils numériques (TousAntiCovid)