



*Panoramic view of Tours, Pierre-Antoine Demachy, 1787  
Credit: Eusebius (Guillaume Piolle) <https://commons.wikimedia.org>*

# ***Introductory remarks***

***QGP-France 2022 @ Tours***

**A. Baldisseri**  
CEA Saclay



# QGP-France

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- What it is? Community working on QGP in France
- Annual meeting (previously in Etretat)
  - ▶ Experimentalists: LHC (ALICE, CMS, LHCb), sPHENIX,...
  - ▶ Theoreticians
- Priority to talks from young people (PHD students and postdocs)
- Favor the exchanges. Keep it informal.
- Edition 2022
  - ▶ Program focalized on physics: experimental (end of Run 2) & theoretical progress
  - ▶ Preparation of LHC Run 3
  - ▶ Status of the prospectives for the future of the QGP physics: mainly LHC Run 4 / 5
- Pandemic measures (the COVID still active...)
  - ▶ Mask wearing inside the buildings
  - ▶ Keep the distances
  - ▶ Wash your hands regularly

# Monday Agenda

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<b>12:30</b> → 14:00	<b>Déjeuner</b>	🕒 1h 30m
<b>15:00</b> → 20:00	<b>Revues</b>	✎
15:10	<b>Introductory remarks</b> Speaker: Alberto Baldisseri (Université Paris-Saclay (FR))	🕒 10m ✎
15:20	<b>ALICE overview</b> Speaker: Antonin Maire (IPHC - Strasbourg (CNRS-In2p3/Unistra))	🕒 35m ✎
15:55	<b>CMS overview</b> Speaker: Florian Damas (LLR - Centre National de la Recherche Scientifique (FR))	🕒 35m ✎
<b>16:30</b>	<b>pause café</b>	🕒 30m
17:00	<b>LHCb overview</b> Speaker: Óscar Boente García (Laboratoire Leprince-Ringuet, Ecole polytechnique)	🕒 35m ✎
17:35	<b>Emergence of hydrodynamics in expanding systems</b> Speaker: Jean-Paul Blaizot (IPhT)	🕒 35m ✎
<b>19:00</b>	<b>Cocktail d'accueil</b>	🕒 1h
<b>20:00</b> → 22:00	<b>Dîner</b>	🕒 2h

# Tuesday Agenda

<b>09:00</b> → 12:00	<b>mardi matin</b>		
09:00	<b>quarkonium physics with ALICE at the LHC</b>	Speaker: Maxime Guilbaud (Subatech - IMT Atlantique Nantes)	🕒 30m
09:30	<b>charm physics with LHCb Fixed-Target</b>	Speaker: Elisabeth Maria Niel (EPFL - Ecole Polytechnique Federale Lausanne (CH))	🕒 30m
10:00	<b>charm production in PbPb collisions with LHCb</b>	Speaker: Samuel Belin (Universidade de Santiago de Compostela (ES))	🕒 30m
10:30	<b>pause café</b>		🕒 30m
11:00	<b>Transport coefficients of the quasi-particle QGP</b>	Speaker: Marcus Bluhm (Subatech)	🕒 30m
11:30	<b>Universal modification of hadrons from radiative energy loss in diverse AA collisions</b>	Speaker: Guillaume Falmagne	🕒 30m
12:30 → 14:00	<b>Déjeuner</b>		🕒 1h 30m
<b>16:00</b> → 19:00	<b>Mardi après-midi</b>		
16:00	<b>Measurement of the Lund jet plane density at 13 TeV</b>	Speaker: Cristian Baldenegro Barrera (Centre National de la Recherche Scientifique (FR))	🕒 30m
16:30	<b>Multiplicity dependence of charged-particle jet production in pp collisions at 13 TeV with ALICE</b>	Speaker: Yongzhen HOU (Central China Normal University CCNU (CN))	🕒 30m
17:00	<b>pause café</b>		🕒 30m
17:30	<b>Testing CPT theorem via the mass differences between anti-hyperons and hyperons with pp data of LHC run II</b>	Speaker: Romain Schotter (Centre National de la Recherche Scientifique (FR))	🕒 30m
18:00	<b>Dense QCD and compact star phenomenology</b>	Speaker: Antoine PFAFF	🕒 30m
20:00 → 22:00	<b>Dîner</b>		🕒 2h

# Wednesday Agenda

<b>09:00</b> → 12:00	<b>Mercredi matin</b>	
09:00	<b>Towards fluctuating fluid dynamics</b> Speaker: Marlene Nahrgang (Subatech)	🕒 30m
09:30	<b>Dynamics of critical fluctuations in heavy-ion collisions</b> Speaker: Grégoire PIHAN	🕒 30m
10:00	<b>Cluster shape analysis and strangeness tracking for the ALICE upgrade</b> Speaker: Alexandre BIGOT (Centre National de la Recherche Scientifique (FR))	🕒 30m
10:30	<b>pause café</b>	🕒 30m
11:00	<b>Run 3 preparation with the MFT and the ALICE Muon spectrometer : From matching performances to charm/beauty separation</b> Speaker: Nicolas Bizé (Centre National de la Recherche Scientifique (FR))	🕒 30m
11:30	<b>Pseudorapidity density with MFT ALICE detector in LHC run3</b> Speaker: Sarah Nina Edwige Herrmann (Centre National de la Recherche Scientifique (FR))	🕒 30m
12:30 → 14:00	<b>Déjeuner</b>	🕒 1h 30m
<b>16:00</b> → 20:00	<b>Mercredi après-midi</b>	
16:00	<b>Tag and Probe efficiency study for muons in Alice</b> Speaker: Batoul Diab (Université Paris-Saclay (FR))	🕒 30m
16:30	<b>CMS perspectives</b> Speaker: Matthew Nguyen (Centre National de la Recherche Scientifique (FR))	🕒 30m
17:00	<b>pause café</b>	🕒 30m
17:30	<b>Alice3</b> Speaker: Antonio Uras (Centre National de la Recherche Scientifique (FR))	🕒 30m
18:00	<b>LHCb perspectives</b> Speaker: Benjamin Audurier (Centre national de la recherche scientifique)	🕒 30m
18:30	<b>LHCb tracking update: hardware requirements and technology status</b> Speaker: Stefano Matthias Panebianco (Université Paris-Saclay (FR))	🕒 30m
20:00 → 22:00	<b>Dinner</b>	🕒 2h

# 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)**