

# 'Assemblée générale' GDR QCD



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May 27, 2024

Recurring (5 years, renewable) dedicated funding from IN2P3 & IPN CNRS institutes to organize activities within the QCD French community

## Members of GDR QCD:

- 109 permanent staff members in 16 French UMR
  - + 28 participants from IRFU and foreign laboratories
  - = 137 (71 experimentalists et 66 theorists)
  - + 62 students/postdocs = 199 members
- 9 IN2P3 laboratories:
  - APC, IJCLab, IPHC, IP2I, LLR, LPC, LPNHE, LPSC, Subatech
- 7 INP laboratories:
  - CPHT, CPT, IDP, LAPTh, L2C, LPTHE, IPhT

## Single and multiple parton scatterings

- Renaud Boussarie - TH, CPHT
- Zaida Conesa - EXP, IJCLab
- Dominique Marchand - EXP, IJCLab

## Collective effects with nucleon and nuclear collisions, phase diagram of QCD

- Maxime Guilbaud - EXP, Subatech
- Antonin Maire - EXP, IPHC
- Marlène Nahrgang - TH, Subatech

## QCD at large transverse momentum

- Emilien Chapon - EXP, IRFU
- Laure Massacrier - EXP, IJCLab
- Melih Ozcelik - TH, IJCLab

## Future prospects on strong interaction physics and observables

- Francesco Bossu - EXP, IRFU
- Matt Nguyen - EXP, LLR

## QCD at low energy, non-perturbative methods

- Maxim Chernodub - TH, IDP
- Mariane Mangin-Brinet - TH, LPSC
- Cédric Mezrag - TH, IRFU

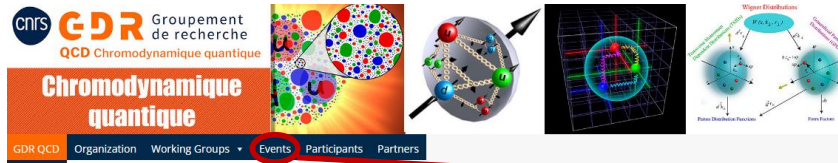
Please feel free to contact them  
with your ideas and initiatives !

# Practical information

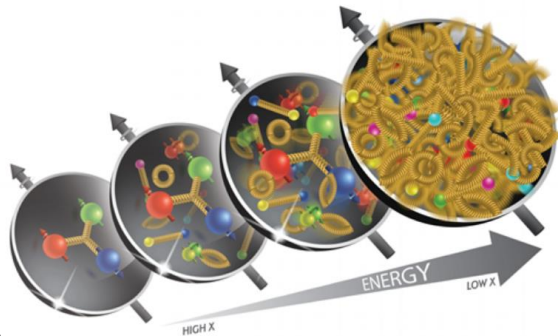
Mailing list: QDR-QCD-L@in2p3.fr

- To be used for announcements
- Please sign-up here:

<https://listserv.in2p3.fr/cgi-bin/wa?SUBED1=GDR-QCD-L&A=1>



GDR QCD



Web page:  
<http://gdrqcd.in2p3.fr>



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## Events

### 2024

- QCD Master Class, June 23- July 5 (Saint-Jacut, Brittany)
- Workshop on progress in algorithms and numerical tools for QCD, June 18-19 (Paris-Saclay University)
- GDR QCD International Summer School, June 9-15 (Paris-Saclay University)
- General Assembly, May 27-29 (IDP Tours)
- Quarkonia As Tools, January 7-13 (Aussois, French Alps)

### 2023

- Workshop on (in)coherence in diffractive and hadronic collisions, October 11-13 (Paris-Saclay University)
- General Assembly, September 27-29 (IPHC Strasbourg)
- Joint workshop with GDR Intensity Frontier, September 19-20 (CPPM Marseille)
- Lattice QCD International Summer School, July 2-8 (Aussois, French Alps)
- Rencontres QGP-France, June 26-29 (Bagnolles de l'Orne, Normandy)
- QCD Master Class, June 4-17 (Saint-Jacut, Brittany)

**TUTELLES**

**cnrs** **IN2P3** **cnrs** **INP**

**RECENT POSTS**

Séminaire du GDR QCD - 12/05/2022  
6 May 2022

Prix de thèse du GDR QCD - 18 February 2022

Séminaire du GDR QCD - 03/02/2022  
31 January 2022

Séminaire du GDR QCD - 12/10/2021  
8 October 2021

Lauréat du prix de thèse 2021 du GDR QCD - 1 July 2021

# Some recurring GDR initiatives

- Annual meeting (this one!)
- Summer school (2024 edition organized by WG1)
- GDR thesis prize (2023 awardee will present his work today)

## *In addition:*

- Individual working groups activities (you will hear reports in a few minutes)
- Support to QCD related activities in France (QCD Master Class, Quarkonia as tools, etc.)

Around 60 PhD students and postdocs in the GDR

➤ **Young Researchers Day(s):**

- Informal presentations by students and postdocs
- Organized by themselves, with logistic/financial support of GDR
- Interesting scientific and networking opportunity

➤ **Training activities:**

Training to specific tools of the QCD community  
(eg. NLOAccess/Partons/Generator, EIC/LHC/FAIR simulations software, etc)

Suggestion and new ideas more than welcome !!

# This week's agenda

Tuesday

Monday

14:00	<b>Welcome</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Carlos Muñoz Camacho et al. 14:00 - 14:10
	<b>WG1: Interactions simples et multiples entre partons</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Dominique Marchand et al. 14:10 - 14:20
	<b>WG2: Effets collectifs dans les nucléons et noyaux, diagramme de phase de QCD</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Antonin Maire et al. 14:25 - 14:35
	<b>WG3: QCD à grande impulsion transverse</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Emilien Chapon et al. 14:40 - 14:50
15:00	<b>WG4: Perspectives sur les observables de l'interaction forte</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Francesco Bossu et al. 14:55 - 15:05
	<b>WG5: QCD à basse énergie, méthodes non perturbatives</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Cécile Mezrag et al. 15:10 - 15:20
	<b>Coffee break</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	15:25 - 15:55
16:00	<b>2023 Thesis Prize</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Henri Durieux 15:55 - 16:20
	<b>Linear power corrections to top quark production processes</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Melih Ozcelik 16:25 - 16:50
17:00	<b>QCD-related uncertainties on precision measurement of electroweak parameters</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Emilien Chapon 16:55 - 17:20

18:00		
19:00		
20:00	<b>Reception</b>	

09:00	<b>Open charm production asymmetries in fixed target proton-Neon collisions with LHCb</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Gabriel Ricart 09:00 - 09:20
	<b>Inclusive quarkonium photoproduction at the LHC</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Kate Lynch 09:25 - 09:45
10:00	<b>Production des jets dans les collisions Pb-Pb avec les données du Run 3 de l'expérience ALICE</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Aimeric Landou 09:50 - 10:10
	<b>Using dileptons to estimate the initial temperature of QCD matter</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Gregory Jackson 10:15 - 10:35
	<b>Coffee break</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	10:40 - 11:10
11:00	<b>SUBA-Jet: a new Model for Jets in Heavy Ion Collisions</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Alexander Lind 11:10 - 11:30
	<b>Interactions of three mesons</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Mattias Sjö 11:35 - 11:55
12:00	<b>TBD</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Anja Butter 12:00 - 12:25
	<b>Lunch</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	12:30 - 14:00
13:00		
14:00	<b>Open-access publishing</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Céline Barthonnat 14:00 - 14:30
	<b>Discussion</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	14:30 - 15:00
15:00	<b>EIC test beam results</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Santy Polcher Rafael 15:00 - 15:20
	<b>EIC Tracking with Micromegas -- Detector Design Optimization</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Dylan Neff 15:25 - 15:45
	<b>Coffee break</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	15:50 - 16:20
16:00	<b>Deeply Virtual Compton Scattering Cross Section from the Neutron at the CLAS12 experiment</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Li Xu 16:20 - 16:40
	<b>Elucidating <math>\phi</math> Meson Production from K+K- decay channel in pp@4.5 GeV Using HADES</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Suman Deb 16:45 - 17:05
17:00		

Wednesday

09:00	<b>Heavy flavor and quarkonium production in EPOS4</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Jieving Zhao 09:00 - 09:20
	<b>Backward DVCS on the Pion</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Abigail Rodrigues Castro 09:25 - 09:45
	<b>The <math>\eta_c</math> meson distribution amplitude</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Miguel Teseo San José Pérez 09:50 - 10:10
10:00	<b>NLO Quarkonium Production in the FKS Subtraction Scheme</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Lukas Simon 10:15 - 10:35
	<b>Coffee break</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	10:40 - 11:10
11:00	<b>Scintillating Materials and SiPM Readout for an Electromagnetic Calorimeter at the EIC</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Noémie Pilleux 11:10 - 11:30
	<b>Multi-particle cumulant <math>J/\psi</math> <math>v_2</math> measurement in Pb-Pb with the ALICE experiment</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Victor Valencia Torres 11:35 - 11:55
12:00	<b>Hadronization of heavy quarks at LHCb</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	Chenxi Gu 12:00 - 12:20
	<b>Lunch</b> Amphi E040, bâtiment E2, rez-de-chaussée, Tours	12:30 - 14:00
13:00		

End at lunch time

Banquet dinner (7:30 PM Tuesday)

- Tonight: reception (7:30 PM)
  - [La P'tite Maiz](#) : Beer place (drinks & snacks)
- Tomorrow: workshop dinner (7:30 PM)
  - Restaurant "La Choppe": Fish (and vegetarian option)

- Accueil
- Ordre du jour
- Inscription
- Liste des participants
- Se rendre à l'IDP
- Se loger à Tours
- Déjeuners et dîners à Tours
- Contact

✉ GDR-QCD-DIR-L@in2p...

## Déjeuners et dîners à Tours

- Lunches will take place onsite at the [Restaurant Universitaire de Grandmont](#).
- Reception on Monday evening will take place at 'La P'tite Maiz'.
  - **Apéritif dînatoire:**
    - Drinks (no cocktails)
    - Food snacks :
      - grilled cheese
      - tartinables
      - fromages
      - saucissons
      - rillettes au Vouvray
- Dinner on Tuesday will take place at the restaurant "La Choppe" in downtown Tours.

### Menu

Terrine de chèvre frais de notre région et à la poire tapée  
Betteraves rouge, mesclun à l'huile de noixette 'La Tourangelle'  
\*\*\*\*

Pave de lieu noir sur peau à la plancha,  
Purée maison et caviar d'aubergine, tomates confites et pistou  
\*\*\*\*

Allumette aux abricots rôtis, glace pistache  
\*\*\*  
Café

### WINE :

- Chardonnay IGP Val de Loire Dom. à deux Barc et Vallée
- St Nicolas de Bourgueil, Dom de Fondis

### Vegetarian menu

(for those that marked this food restriction in the registration form)

Asperges blanches de pays, crème acidulée au vinaigre de balsamique  
\*\*\*\*\*

Légumes et nouilles au wok à la coriandre et gingembre frais  
Arachide  
\*\*\*\*\*

Soupe de framboises et fraises au vin de Vouvray et chinon,  
Pana cota au lait d'amande  
Arrosée de Vouvray brut et menthe fraîche  
\*\*\*\*\*

Café

Special thanks to Maxim Chernodub, Stam Nicolis and Laetitia

Portier for all the help with the organization of the event