

GDR QCD workshop on coherence/incoherence in hadronic & diffractive collisions at DIS and at hadron colliders

11-12th Oct. 2023, IJCLab Orsay

Information about the GDR QCD

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

5 Working Groups

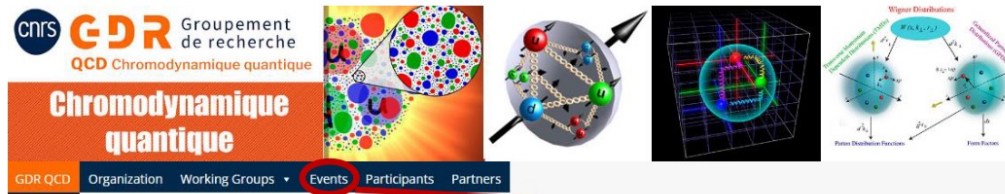
- WG1:** Single and multiple parton scattering
- WG2:** Collective effects with nucleon and nuclear collisions, phase diagram of QCD
- WG3:** QCD at large transverse momentum
- WG4:** Future prospects on strong interaction physics and observables
- WG5:** QCD at low energy, non-perturbative methods

Information about the GDR QCD

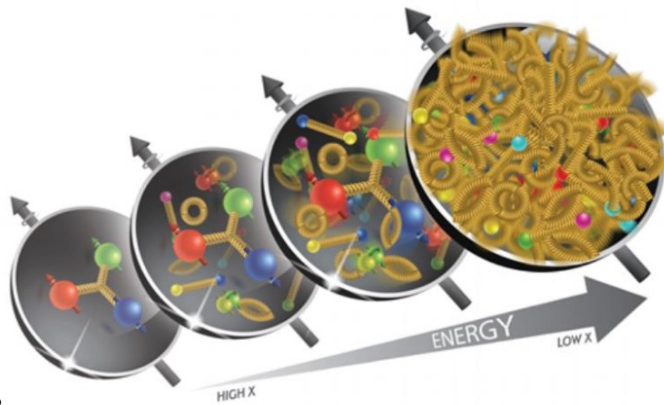
Mailing list: QDR-QCD-L@in2p3.fr

- 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

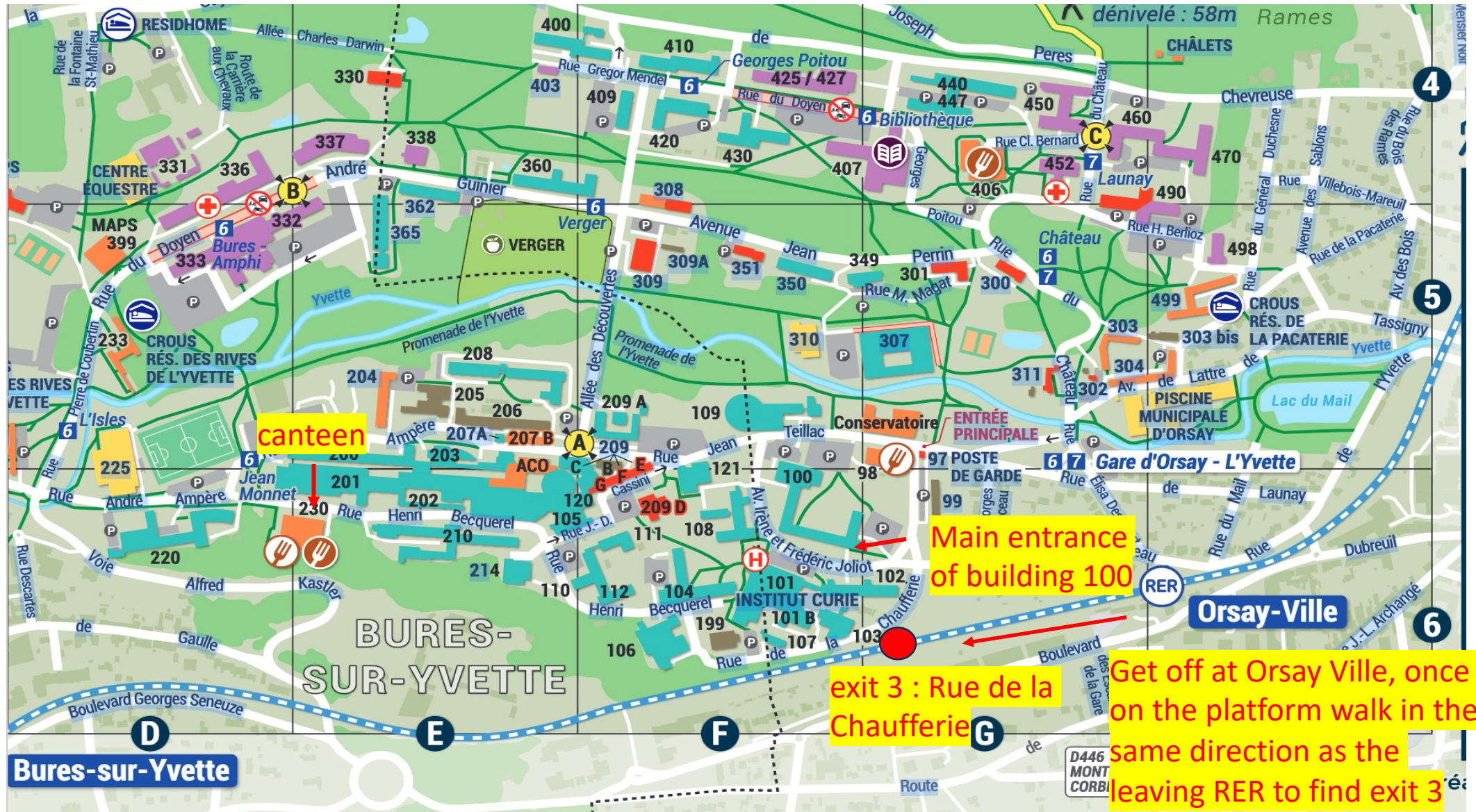
2023

- 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 (CPM Marseille)
- Lattice QCD International Summer School, July 2-8 (Aussois, French Alps)
- Rencontres QGP-France, June 26-29 (Bagnoles de l'Orne, Normandy)
- QCD Master Class, June 4-17 (Saint-Jacut, Brittany)
- QCD evolution workshop, May 22-26 (Paris-Saclay University)
- Joint workshop with IRN Terascale, April 24-26 (LPSC Grenoble)
- Quarkonia As Tools, January 4-14 (Aussois, French Alps)

2022

- Workshop on Saturation at the EIC, November 17-18 (Paris-Saclay University)
- GDR QCD International Summer School, June 26- July 9 (IMT Atlantique)
- Workshop on progress in algorithms and numerical tools for QCD, June 7-8 (Paris-Saclay University)

Practical information



Get off at Orsay Ville, once on the platform walk in the same direction as the leaving RER to find exit 3

Practical information

- All the workshop sessions will take place in Building 100, in Amphiteatre Joliot Curie
- The coffee breaks will be served at the entrance of the auditorium
- The lunches will be served in the canteen in building 230 (see map).
 - We will all go together at the end of the morning session
 - Wear your badge, it will be easier, make sure you identify as a participant of the workshop at the cashier (you will have nothing to pay)
- The auditorium is booked for the 2 days, you can use the place to work, in between sessions

Practical information

- Wifi connexion :
 - Eduroam available
 - If you don't have eduroam, you can use the IJCLab-Public hotspot
 - You will be redirected on an internet page where you need to register with your mail address. Your login and password will be automatically sent via email

Rejoindre « IJCLab-Public »

https://www.ijclab.in2p3.fr/
https://support.ijclab.in2p3.fr/

IJCLab
Irène Joliot-Curie
Laboratoire de Physique
des 2 Infinis

Bienvenue

Identification

Si vous ne possédez pas d'identifiant, vous pouvez vous enregistrer avec le lien ci-dessous.

Identifiant

Mot de passe

En vous connectant, vous déclarez avoir pris connaissance de la charte du CNRS et vous acceptez de la respecter

[Enregistrez-vous](#) **Connexion**

Rejoindre « IJCLab-Public »

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Bienvenue

Enregistrement par email

Renseignez l'ensemble des champs obligatoires pour vous enregistrer. Une fois l'enregistrement effectué, vous aurez quelques minutes pour vérifier votre messagerie et ainsi obtenir vos identifiants. Ce temps écoulé, vous devrez vous enregistrer de nouveau.

Attention : votre adresse email doit être valide car elle sera utilisée pour envoyer votre ticket de connexion.

Nom *

Prénom *

Adresse email *

* Champs obligatoires

Retour **S'enregistrer**

Timetable

Wed. 11th Oct.

	Registration <i>Auditorium Joliot Curie, IJCLab</i>	10:40 - 11:00
11:00	Welcome <i>Auditorium Joliot Curie, IJCLab</i>	<i>Laure MASSACRIER et al.</i> 11:00 - 11:10
	The impulse approximation <i>Auditorium Joliot Curie, IJCLab</i>	<i>Dr Cédric Mezrag</i> 11:10 - 11:50
14:00	Recent experimental result from ALICE and prospects <i>Auditorium Joliot Curie, IJCLab</i>	<i>Mallick Dukhishyam</i> 14:00 - 14:25
	Recent experimental results from STAR and prospects <i>Auditorium Joliot Curie, IJCLab</i>	<i>Dr Daniel Kikola</i> 14:25 - 14:45
15:00	Gamma Gamma to dilepton production at LHC and RHIC and prospects <i>Auditorium Joliot Curie, IJCLab</i>	<i>Raphaelle Bailhache</i> 14:45 - 15:05
	Coffee <i>Auditorium Joliot Curie, IJCLab</i>	15:05 - 15:45
16:00	Modeling of coherent production in hadronic collisions I <i>Auditorium Joliot Curie, IJCLab</i>	<i>Beatriz Gay-Ducati</i> 15:45 - 16:10
	Modeling of coherent production in hadronic collisions II <i>Auditorium Joliot Curie, IJCLab</i>	<i>Klusek</i> 16:10 - 16:35
	Modeling of coherent production in hadronic collisions III <i>Auditorium Joliot Curie, IJCLab</i>	<i>Zha</i> 16:35 - 17:00
17:00	Discussion round <i>Auditorium Joliot Curie, IJCLab</i>	<i>Gay-Ducati et al.</i> 17:00 - 17:30

Tue. 12th Oct.

	Recent experimental results in UPC collisions on coherent photoproduction at LHCb <i>Auditorium Joliot Curie, IJCLab</i>	<i>Ronan McNulty</i> 09:30 - 10:00
10:00	Recent experimental results in UPC collisions on incoherent and dissociative production with ALICE off the proton <i>Michael Winn</i>	
	Coffee <i>Auditorium Joliot Curie, IJCLab</i>	10:30 - 11:00
11:00	Experimental opportunities with tagging at JLAB <i>Auditorium Joliot Curie, IJCLab</i>	<i>Raphaël DUPRE</i> 11:00 - 11:30
	Future measurements for nuclear structure at EIC in exclusive reactions <i>Auditorium Joliot Curie, IJCLab</i>	<i>Rachel Montgomery</i> 11:30 - 12:00
12:00		
16:00	Opportunities with jets in photoproduction at the LHC <i>Auditorium Joliot Curie, IJCLab</i>	<i>Cristian Baldenegro Barrera</i> 16:00 - 16:20
	New experimental idea LHC: coherent production as reservoir for QGP studies? <i>Auditorium Joliot Curie, IJCLab</i>	<i>Ginez Martinez</i> 16:20 - 16:40
	Signatures of saturation involving dissociation <i>Auditorium Joliot Curie, IJCLab</i>	<i>Renaud Boussarie</i> 16:40 - 17:00
17:00	New experimental ideas LHC: inclusive photoproduction <i>Auditorium Joliot Curie, IJCLab</i>	<i>kate lynch</i> 17:00 - 17:20
	coffee <i>Auditorium Joliot Curie, IJCLab</i>	17:20 - 17:50
18:00	Color transparency in deep virtual meson production <i>Auditorium Joliot Curie, IJCLab</i>	<i>Bernard Pire</i> 17:50 - 18:10
	Discussion round: challenges and ideas about hadron/nuclear structure and QGP measurements with coherent/incoherent production at LHC and EIC <i>Cyrille Marquet et al.</i>	

Discussion session at the end of each day.

Feel free to provide us inputs regarding specific topics you would like to discuss, prior to the discussion session

Welcome to Orsay and enjoy the workshop!