

GDR QCD workshop on W mass

30 Jun. – 1 Jul. 2025, IJCLab Orsay

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Information about the GDR QCD

Recurring (5 years, renewable) dedicated funding from IN2P3 & INP 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

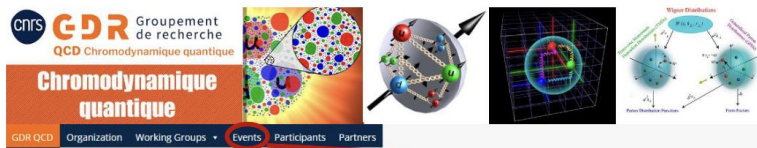
WG5: QCD at low energy, non-perturbative methods

Information about the GDR QCD

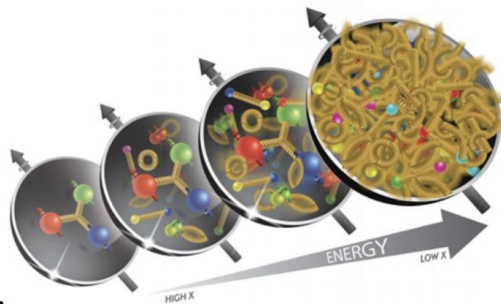
Mailing list: QDR-QCD-L@in2p3.fr

- 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>



Subscribe or Unsubscribe to the GDR-QCD-L List

GDR-QCD-L@IN2P3.FR

This screen allows you to subscribe or unsubscribe to the GDR-QCD-L list. To confirm your identity and prevent third parties from subscribing you to a list against your will, you must first confirm your identity by logging in with your LISTSERV password. Alternatively, you can update your subscription interactively by logging in with your LISTSERV password.

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Events

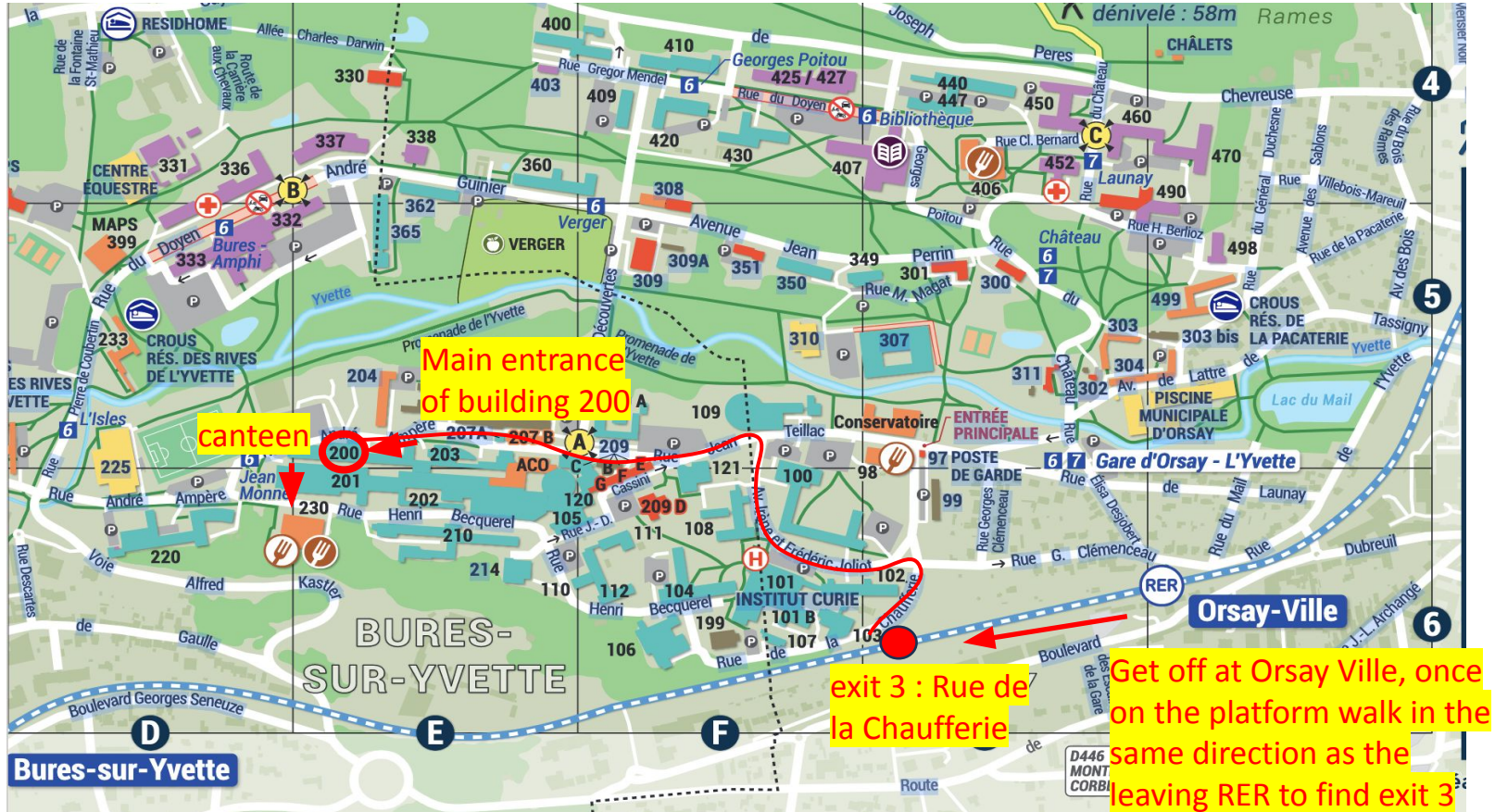
2025

- Joint workshop with GDR Intensity Frontier on taming hadronic uncertainties in and beyond the standard model, October 22-24 (Paris-Saclay University)
- General Assembly, October 1-3 (CPT Marseille)
- GDR QCD International Summer School, July 7-11 (Paris-Saclay University)
- WG3 workshop on W mass, June 30-July 1 (Paris-Saclay University)

2024

- Joint workshop with GDR Intensity Frontier on spectroscopy in decays and in femtosopic correlations, December 16-18 (Paris-Saclay University)
- WG2 workshop on hydrodynamics and related observables in heavy-ion collisions, October 28-31 (IMT Atlantique, Nantes)
- 1st EIC-France meeting, October 9-11 (Paris-Saclay University)
- QCD and heavy-ion community workshop on the European Strategy for Particle Physics Update, September 19 (Paris-Saclay University)
- 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)

Practical information



Practical information

- All the workshop sessions will take place in Building 200
 - Monday afternoon: room 101
 - Tuesday: Lehmann Auditorium
- The coffee breaks will be served outside the 101 room (Monday) or in the coffee area outside the auditorium (Tuesday)
- Lunch will be served in the canteen in building 230 (see map)
 - Covered by GDR QCD for all registered participants
 - We will all go together at the end of the Tuesday morning session

Practical information

Local transportation (suburb trains / RER, etc.)

- Ticket pricing has recently changed in the Paris region and is now independent of distance. There are two main options for casual users:
 - ticket: 2.50€
 - Navigo+ (phone app or rechargeable pass): 1.99€
 - Daily or weekly passes also available
- More information: <https://www.iledefrance-mobilites.fr/en/titres-et-tarifs>

SOUSCRIPTION EN LIGNE



Navigo Liberté +

Pay for your single rides with your phone or your Navigo pass

from 1,60€
per trip

ACHAT VIA L'APP



Metro-Train-RER Ticket

Make your journey by metro, train or RER

2,50€
Single

Dinner tonight

- We can organise an “informal” workshop dinner tonight
- Anyone interested, please contact Émilien by mail (emilien.chapon@cern.ch) or during the coffee break
 - We will book a table during the coffee break today
- Some possible choices:
 - Le Gramophone (Orsay Ville RER)
 - Le Grey (Massy-Palaiseau RER)
- We will call them in this order if they cannot accommodate us.

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 »

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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**



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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

Monday 30 June

14:00	Welcome <i>Room 101, Building 200, IJCLab</i>	<i>Emilien Chapon et al.</i> 14:00 - 14:15
	mW from CMS <i>Room 101, building 200, IJCLab</i>	<i>Kenneth Long</i> 14:15 - 14:50
15:00	mW from ATLAS <i>Room 101, Building 200, IJCLab</i>	<i>Andres PINTO PINOARGOTE</i> 15:00 - 15:35
	Coffee break <i>IJCLab</i>	15:45 - 16:15
16:00	TMD PDFs for mW <i>Room 101, Building 200, IJCLab</i>	<i>Valerio Bertone</i> 16:15 - 16:50
17:00	Collinear PDFs for mW <i>Room 101, Building 200, IJCLab</i>	<i>Emanuele Roberto Nocera</i> 17:00 - 17:35

There should be ample time for discussion after each talk.

Tuesday 01 July

09:00	mW and mZ from LHCb <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Ross Hunter</i> 09:00 - 09:35
10:00	mW from CDF <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Chris Hays et al.</i> 09:45 - 10:20
	Coffee break <i>IJCLab</i>	10:30 - 11:00
11:00	Parton showers <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Gregory SOYEZ</i> 11:00 - 11:35
12:00	Theory nuisance parameters <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Frank Tackmann</i> 11:45 - 12:30
14:00	LUNCH	
	MINNLOPS <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Marius Wiesemann</i> 14:15 - 14:50
15:00	Mixed QCD-EW corrections <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Simone Devoto</i> 15:00 - 15:35
16:00	Coffee break <i>IJCLab</i>	15:45 - 16:15
	qT resummation with DYTURBO <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Filippo Dattola</i> 16:15 - 16:40
17:00	mW combination and experimental prospects <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Maarten Boonekamp</i> 16:45 - 17:20
	Closing words <i>Lehmann Auditorium, Building 200, IJCLab</i>	<i>Emilien Chapon et al.</i> 17:30 - 17:45

Welcome to Orsay and enjoy the workshop!