

WG5: QCD à basse énergie, méthodes non perturbatives

Maxim Chernodub, Mariane Mangin-Brinet, Cédric Mezrag

Modification of the conveners team



Mariane Mangin-Brinet joined the conveners team of WG5

Mariane is Directrice de recherche at LPSC Grenoble

Her scientific interest is on lattice QCD

She is a member of the ETMC collaboration

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Benoît Blossier left the team

Benoît took care of the WG5 since the beginning of the GDR QCD in 2016



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- ▶ Yet the program remained interesting with:
 - ▶ Talks on QCD (pQCD, npQCD, lattice QCD, QGP)
 - ▶ Talks on BSM

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List of Lectures

Introduction to Lattice QCD
Hadron structure
The enigma of the muon $g-2$
The strong coupling constant
Flavor Physics for BSM
searches

List of Lecturers

Jérôme Charles
Luigi Del Debbio
Antoine Gérardin
Vera Gulpers
Maria-Paola Lombardo
Alberto Ramos
Teseo San Jose
Carsten Urbach
Christian Zimmerman

School on Lattice QCD and its phenomenological applications

- ▶ 23 participants from France, Spain, Italy, Austria, Germany, UK, Sweden, Ireland, United States, Taiwan
- ▶ 75% were Ph.D. students, 25% were Postdocs
- ▶ 80% registered to the beginner hands-on session, 20% to the advanced ones
- ▶ 20% of the participants were women
- ▶ 5 talks were given by the participants
- ▶ Overall, the week was very enjoyable for the participants and the lecturers. The conditions at the center were excellent.
- ▶ The only difficulty was the administrative status of the lecturers to cover their travel fees.
- ▶ Details of the program at <https://lpsc-indico.in2p3.fr/event/3196/>

Plan for 2023-2024

4th workshop on progress in algorithms and numerical tools for QCD

- ▶ the 3rd edition took place in June 2022 in Orsay
 - ▶ 28 registered participants on two half-days
 - ▶ 12 talks were scheduled
 - ▶ Transverse to all QCD working groups
 - ▶ Format: 30 minutes talks
 - ▶ More details on the indico website:
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Thank you for your attention