

Progress in algorithms and numerical tools for QCD

Orsay, 9 – 10 June 2026

- 5th edition of this workshop, after 2017, 2019, 2022 and 2024
- Organised as a transverse event of the GDR QCD, support by the LabEx P2I axis of Physics Graduate School at Université Paris-Saclay and the Agence Nationale de la Recherche
- Different topics in QCD are concerned by computational aspects: multi-loop computations, events simulations at colliders, fits, equation of evolution, dealing with the non-perturbative regime of QFT
- Computing tools are emerging in different research fields: artificial intelligence, quantum computing

Laboratoire de Physique des 2 Infinis Irène Joliot-Curie (IJCLab): created in 2020, official celebration in May 2022.

- Particle physics, nuclear physics, astro-particles and cosmology, accelerator physics, theoretical physics, physics for health, energy and environment.
- Facilities for nuclear physics, accelerator physics, physics for health
- Engineer department in computing, electronics, mechanics, detectors
- Ambition to design and construct facilities devoted to high energy physics, participate to experimental analyses and theoretical developments in our research fields