

Progress in algorithms and numerical tools for QCD

Orsay, 7 – 8 June 2022

- 3rd edition of this workshop, after 2017 and 2019
- Organised as a transverse event of the GDR QCD, support by the LabEx P2IO
- Different topics in QCD are concerned by computational aspects: multi-loop computations, events simulations at collider physics, fits, equation of hydrodynamics, equation of evolution, dealing the non-perturbative regime of QFT
- Computing tools can be shared from neighbouring research fields: for instance neutron stars (hydrodynamics) or neutronic in nuclear reactors (stochastic processes)

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

