



Ready, set, go!

Today the scientific sessions of the conference gear up. We will have 9 sessions running in parallel, covering the wide variety of topics of the field. The conference [indico site](#) is the compass to plan your physics journey.

Lunch boxes

As mentioned during registration, lunch boxes can be purchased. Please see the registration desk tomorrow before the session start to buy your lunch tokens.

Conference site

The main conference site, where also the registration desk is found, is located at the ICC. The parallel sessions take place both at the ICC and the Campus Ledeganck. These two venues are easily located at a short walking distance from each other. On the map below, they are indicated by the two red markers. Shown on the left is also the main train station. Signs will be posted to lead you from one to the other.



Parallel sessions

In anticipation of a busy day, we summarize the content of today's parallel sessions. To do proper justice to the richness of the programme, check out the indico pages linked through the session titles below.

[Astroparticle physics and GW](#)

Neutrino astrophysics takes the center stage in the morning session, while cosmic rays in space-based measurements, and LHC connections to cosmic-ray physics, are discussed in the afternoon.

[Detector R&D and data handling](#)

Many LHC detector upgrade projects are reviewed conceptually as well as with prototype results. Also several other experiments will be discussed, as well as dedicated detection and data handling technologies.

[Dark Matter](#)

This only session on dark matter spans all three areas of direct and indirect detection and searches for accelerator production, while connecting to recent model building.

[Flavour Physics and CP Violation](#)

The morning focus is on CP violation, while the afternoon features CP violation in charm decays, some rare decays, as well as many results in kaon physics.

[Higgs Physics](#)

A rich menu is offered - including discussion - of current precision measurements and a comprehensive view of the reach of future colliders on the scalar potential and the H couplings.

[Heavy Ion Physics](#)

The day starts off with jet physics and moves over a variety of topics towards heavy flavour, covering both theoretical and experimental results from LHC and more.

[Neutrino Physics](#)

With today only a morning session, focus is mainly on neutrinoless double beta decay, and neutrino physics at reactors.

[Top and Electroweak physics](#)

Also here only a morning session, with a dedicated focus on precision measurements and Standard Model tests with the top quark as protagonist.



Searches for New Physics

The morning is dedicated to supersymmetry searches, with a switch in the afternoon to leptoquarks, and searches for other resonant and non-resonant manifestations of exotic new physics at the LHC.

Quantum Field and String Theory

This single afternoon session discusses several applications of the loop-tree duality, and touches upon other topics as confinement and black hole microstates.

QCD and hadronic physics

Progress in a variety of topics is presented covering quarkonia, parton distribution functions, QCD at proposed future colliders, and QCD model tuning at LHC.

Beer Seminar and Tasting

The famous Belgian beer culture is appreciated by many, and even recognized as cultural heritage by UNESCO. In this seminar and tasting event, you can learn about the different kinds of beers we have, how they are produced and most of all how they taste. Come with your voucher to the Ledeganck Campus for a discovery of flavour from 18h45 to about 21h00. This event is organized in collaboration with the Ghent Beer Society.



Picture of the day

The registration desk at the conference center, just before opening yesterday afternoon. A big shoutout to our secretaries, students, postdocs and others working hard to get ready and provide seamless registration.



Did you know?

July 11 is the day of the Flemish Community, commemorating the *Battle of the Golden Spurs* in the year 1302. On that day, a large well-equipped French army came to punish a Flemish rebellion that had started in the city of Bruges, but was surprisingly defeated near the city of Kortrijk by a Flemish infantry militia. While the current Flemish territory was then more fragmented and divided in their stance in this conflict, the victorious Flanders of that moment enjoyed full independence for the two years following this battle.



Warning: while in principle only public services close for the day, also shops or other services may be affected.