

CMS Physics week proposal

11th of September - 15th of September 2011
Brussels, Belgium



Joint proposal by the Brussels universities to organize the CMS Physics week in September 2011

Following the call for candidate venues for the external CMS Physics week, this document serves as a proposal by the Brussels universities.

We have about 36 members in the CMS collaboration working in diverse areas, some key examples are Tracker design-construction-reconstruction-maintenance, RPC's construction, Computing (eg. TIER-2), Top Quark PAG, Exotica PAG, b-tag POG, JetMET POG, e-gamma POG, ...

We are embedded in the Inter-university Institute for High Energies (IIHE) of about 70 members in projects like CMS, IceCube, H1, R&D, PET, ... and closely connected to theory & pheno groups (eg. the MadGraph group, SUSY pheno and not to forget R. Brout and F. Englert as co-founders of the mechanism of spontaneous symmetry breaking) and the Solvay Institutes who celebrate in 2011 their 100th anniversary.

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Main points of our proposal:

- Although the Belgian HEP community covers a diverse spectrum of research topics, for its participation in the LHC endeavour it is solidly united in the CMS collaboration since the beginning.
- The period 11-15 September guarantees an almost student free campus, hence no long queues in the restaurant (4 to 8 euro per lunch) and many auditoria are available. During these dates Brussels is not overwhelmed by tourists.
- The campus is embedded in a green area and is a stimulating environment for informal discussions. The buffet-style restaurant is on the campus site.
- Brussels is easily reachable with frequent and often inexpensive flights via all the important international airlines from around the world (daily 7 direct flights from Geneva are available with SN Brussels Airlines and an extra 2-3 flights with EasyJet) (more than 10 daily direct flights to the US with diverse companies).
- Brussels is a city with a long and successful tradition for many diverse congresses. Some of the most famous ones in our field...

1st Solvay Congress in autumn 1911



Hotel Metropole, Brussels

Historical place to take our group picture
for the CMS Physics week in 2011
exactly 100 years later



Bodrum 2010

Proposed venue is Brussels *(the heart of Europe)*



- Our city is full of history
- All sight-seeing areas in the centre reachable on foot
- Several museums, parks, historical buildings, ...
- Divers restaurants/bars/cafés (inside & outside)



Many hotels in Brussels for all budgets *(below internet price range for some key hotels)*

36 campus rooms pre-booked (~20-30 euro per night)

2* hotels for 60-80 euro per night single room

3* hotels for 80-100 euro per night single room

4* hotels for 100-150 euro per night single room

An upper class example

- *NH hotels (4*) - 5 hotels in total*
- *top class hotels*
- *~120 euro per night per room*
- *for twin (2 beds) room*
- *favorable internet rate*
- *without breakfast*

Access

- *University area easily and frequently reachable via public transport from center (bus, tram or metro), it takes ~15 min*
- *Airport frequented every ~15 minutes by public transport to center (duration ~20 minutes)*

Scientific meetings (*university campus*)

- Main auditorium has 1200 seats with flip desk seats
- Additional smaller or medium size auditoria available if needed
- Fully equipped for audio/video
- We will foresee wireless internet
- Extensive sport facilities and restaurant on campus
- Our institute is on the campus
- Secretary area and discussion area possible in the main auditorium building



The registration fee will be small due to the use of university facilities. Lunch is offered at very democratic prices.

We will apply for funding both from the FWO and FNRS. This would result in a maximal total of 8500 euro's. If we receive this funding we plan to spend part of this money to support young researchers and the remaining general logistic costs.

We will try to host a list of young researchers on the university campus in guestrooms.

There are many sight-seeing programs in Brussels to fill a free afternoon. We will investigate all options.

Divers reception and conference dinner options will be investigated (eg. city hall on the main square, royal academy, ...).

Our logistic staff has experience with small and large scale conferences (EPS 1995, DIS 1998, TOP 2010, IceCube Coll. meeting 2010, Exotica CMS workshop 2010,...).

Overview of our Brussels proposal



René Magritte

Brussels is easily, frequently and affordably reachable from around the world and has certainly enough accommodation facilities. Hence feasible also for post-docs and PhD students.

The universities are adequate to host the scientific meetings to our modern standards and have buffet-style lunch facilities. The university is easily reachable from the hotels in the centre. Our institute is based on the same campus.

And above all, our team is delighted to welcome you in Brussels, 100 years after the famous Solvay conferences.