

# Photon11

**Spa, Belgium**

**May 22–27, 2011**

**<http://www.photon11.be/>**

**International Conference  
on the Structure and the  
Interactions of the Photon  
including the 19th  
International Workshop on  
Photon-Photon Collisions.**



This conference is a part of the series initiated in 1973 in Paris, as an International Colloquium on Photon-Photon Collisions at Electron-Positron Storage Rings, devoted to the hadronic interaction of photons. The latest Photon conferences took place in [Hamburg/DESY](#) (2009), in [Paris](#) (2007), in [Warsaw](#) (2005), and in [Frascati](#) (2003).

At the conference, recent progress in understanding photon-photon and photon-proton processes will be presented. In addition, recent results on astrophysics and other related topics will be discussed. This year's conference will cover the following topics:

- Electroweak and new physics
- Jets, quarkonia and heavy flavours
- Photon structure
- Prompt photons
- Small  $x$ , diffraction, and total cross sections
- Exclusive channels and resonances
- Vacuum polarisation and light-by-light scattering
- Low-energy photon experiments
- Photons in astroparticle physics
- Photon collider prospects and new acceleration techniques
- Related topics

The first results and prospects of studying photon collisions at the LHC, as well as the physics potential of a future photon linear collider will play an important role in the topical sessions.

## **Important dates:**

**April 22, 2011: Deadline for sending abstracts**

**May 6, 2011: End of early registration payment**

The conference will take place from May 22 to May 27, 2011, in Spa (Belgium). The first session will begin on Monday, May 23, at 9 a.m. The conference will end on Friday, May 27, around 2 p.m. The Sol Cress conference centre is located in a secluded forest area, within a stone's throw from the worldwide famous Spa thermal baths, and only 15 min walk through the woods from downtown Spa. In addition, Brussels, Liège and nearby towns offer many attractions, such as the F1 race circuit at Spa-Francorchamps.

## Scientific program: abstracts.

The abstracts for the proposed talks should be sent **before April 22** to a member of the program committee. The committee decisions will be communicated before May 1. Young persons are especially encouraged to participate in the conference – there is a possibility of some financial support, see below.

### Program committee:

- for QCD-related talks:
  - L. Favart (IIHE-ULB, Bruxelles U.) [lfavart@ulb.ac.be](mailto:lfavart@ulb.ac.be)
  - I.P. Ivanov (IFPA, Liège U.), [igor.ivanov@ulg.ac.be](mailto:igor.ivanov@ulg.ac.be)
- for talks related to electroweak interactions and physics beyond the standard model:
  - M. Klasen (Inst. Theor. Phys., Münster U.), [klasen@lpsc.in2p3.fr](mailto:klasen@lpsc.in2p3.fr)
  - V. Lemaître (CP3-UCL, Louvain U.), [Vincent.Lemaître@uclouvain.be](mailto:Vincent.Lemaître@uclouvain.be)
- for talks related to the photon collider:
  - J. Gronberg (LLNL, Livermore), [gronberg1@llnl.gov](mailto:gronberg1@llnl.gov)
  - V. Telnov (IYF, Novosibirsk), [V.I.Telnov@inp.nsk.su](mailto:V.I.Telnov@inp.nsk.su)
- for talks related to photons in astroparticle physics
  - S. Schlenstedt (DESY, Zeuthen), [stefan.schlenstedt@desy.de](mailto:stefan.schlenstedt@desy.de)
- for talks on other topics:
  - J.R. Cudell (IFPA, Liège U.), [jr.cudell@ulg.ac.be](mailto:jr.cudell@ulg.ac.be)
  - K. Piotrkowski (CP3-UCL, Louvain U.), [Krzysztof.Piotrkowski@uclouvain.be](mailto:Krzysztof.Piotrkowski@uclouvain.be)

## Registration

The conference fee is 300 € for senior participants and 250 € for students. It will cover the conference proceedings, the conference dinner, the coffee break drinks and biscuits, five lunches and the welcome drink at Sol Cress.

Registration is via the indico page <http://agenda.phys.ucl.ac.be/conferenceDisplay.py?confId=924>, which can be accessed from the conference page <http://www.photon11.be>.

For early registration and payment received before May 6, the fee is reduced to respectively 250 and 200 €. The fee should be paid directly to the organizers, and the lodging reservation and its costs directly to SolCress (of course, there are possibilities of staying in Spa hotels).

Persons accompanying the participants can take part in the conference dinner for an additional fee of 40 €

10 participants can be sponsored by waiving the registration fee and the lodging costs (or more, if either one need to be waived).

## Lodging

There are up to 140 places available at the Sol Cress conference centre for the Photon11 participants (<http://www.solcress.be>). The lodging reservation and payments should be dealt directly with Sol Cress

(of course, there are also possibilities of staying in the nearby Spa hotels, please consult the web). The requests will be attended to by the first-come, first-served principle.

**Please contact** Ms Nancy Vertommen ([n.vertommen@solcress.be](mailto:n.vertommen@solcress.be)) for the Sol Cress reservations, indicating your dates and accommodation preferences, and providing the code “PHOTON11”.

Room prices per night:

Single room: 100 €

Twin room: 75 €

Student room: 70 € (sharing with a minimum of 3 persons a studio/an apartment)

These prices include breakfast and dinner.



#### For families:

B&b:	Adult 50 €	child 12y+ 40 €	6-11y 35 €	2-5y 25 €
Dinner:	Adult 25 €	child 12y+ 17,40 €	6-11y 12,65 €	2- 5y 8,65 €

## Proceedings

The proceedings will be electronic and open access.

## Social Program

The social program includes:

- A welcome drink on Monday evening.
- An excursion on Wednesday afternoon (20 € to be paid at SolCress, and reserved with your room). We shall visit the nearby Abbey “Val-Dieu” (<http://www.val-dieu.com/>), built in 1216 by Cistercian monks, and famous for its brewery.
- The conference dinner on Thursday evening.

## Travel information

**The conference takes place at the "Domaine Sol Cress" near Spa**

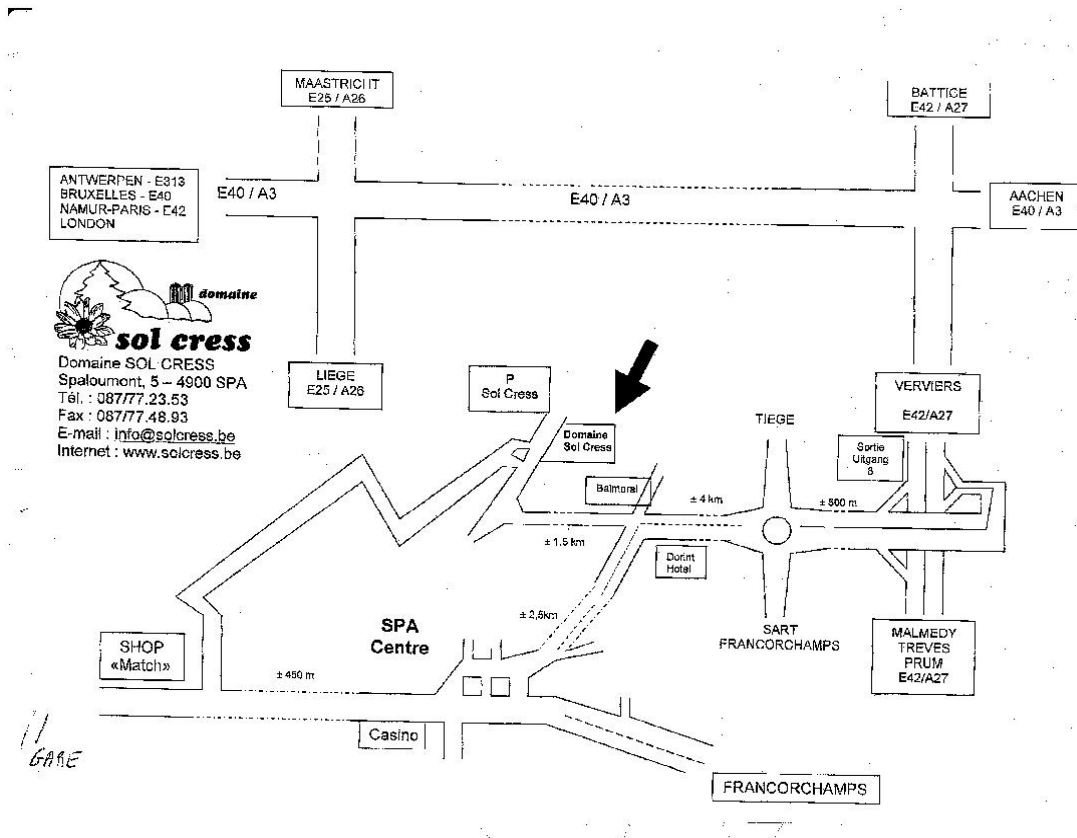
- info SOL CRESS: [www.solcress.be/](http://www.solcress.be/)
- If you come by train:
  - Internet site of the belgian railroads: [www.b-rail.be/](http://www.b-rail.be/) (Choose "Spa[B]" as stop station)
  - Once you are at Spa railway station, go for a ten minutes walk towards "Hôtel Radisson SAS Palace" (Place Royale 39). Take the funicular (1€/ person):





- If you come by car:

type “Sol Cress” in google maps



- Shuttles:

On Sunday May 22 a shuttle service will be organized to bring participants from the Brussels-Zavetem airport and from the Spa train station.

## Leisure time



**Thermal waters:** « Les Thermes de Spa » are situated only 200 m from SolCress  
(<http://www.thermesdespa.com/>)

Special price : €15,00/person/3 hours.

The word “spa” indeed comes from Spa ! Known in Roman times and mentioned by Pliny the Elder, the springs were rediscovered in 1326 and have been frequented since the 16th century. Spa reached its zenith in the 18th century, when it was visited by European royalty. Though other sources of healing hot mineral springs have become famous throughout the world, it is the town of Spa which has become eponymous with any place having a natural water source that is believed to possess special health-giving properties. The place's name is from Walloon *espa* meaning "spring, fountain."

**SolCress proposes ‘The road of the springs’ :** half-day circuit on a moped - this route will guide you to five natural springs, via sinusoid paths and vast forests...

Price €80,00 (10:00 – 18:00), including fuel, insurance and a map.

## Contacts

The conference address:

<http://www.solcress.be>  
[n.vertommen@solcress.be](mailto:n.vertommen@solcress.be)

SolCress  
Spaloumont 5 • B-4900 Spa  
Belgium

### Local Organizing Committee:

K. Piotrkowski, chair (CP3-UCL, Louvain U.),  
J.R. Cudell (IFPA, Liège U.) ,  
L. Favart (IIHE-ULB, Bruxelles U.),  
I.P. Ivanov (IFPA2, Liège U.),  
V. Lemaitre (CP3-UCL, Louvain U.)

**Email:** [contact@photon11.be](mailto:contact@photon11.be)

## International Advisory Committee

S. Brodsky (SLAC, Stanford)  
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S. Uehara (KEK, Tsukuba)  
M. Velasco (Northwestern U.)  
S.-S. Yu (FNAL)  
F. Zomer (LAL Orsay)

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