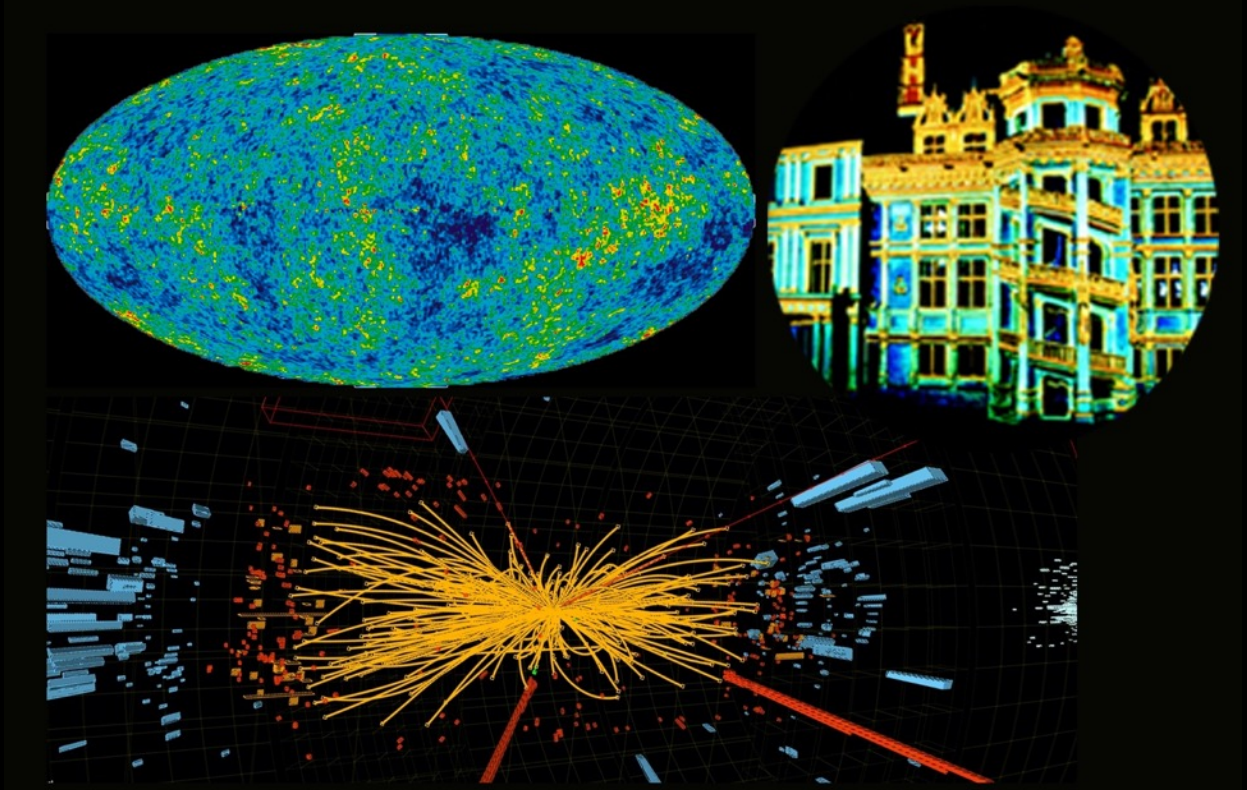
Welcome to Blois 2017



Thomas Lohse, Humboldt University Berlin

XXIXth Rencontres de Blois

Château de Blois, May 28 - June 2, 2017

Particle Physics & Cosmology

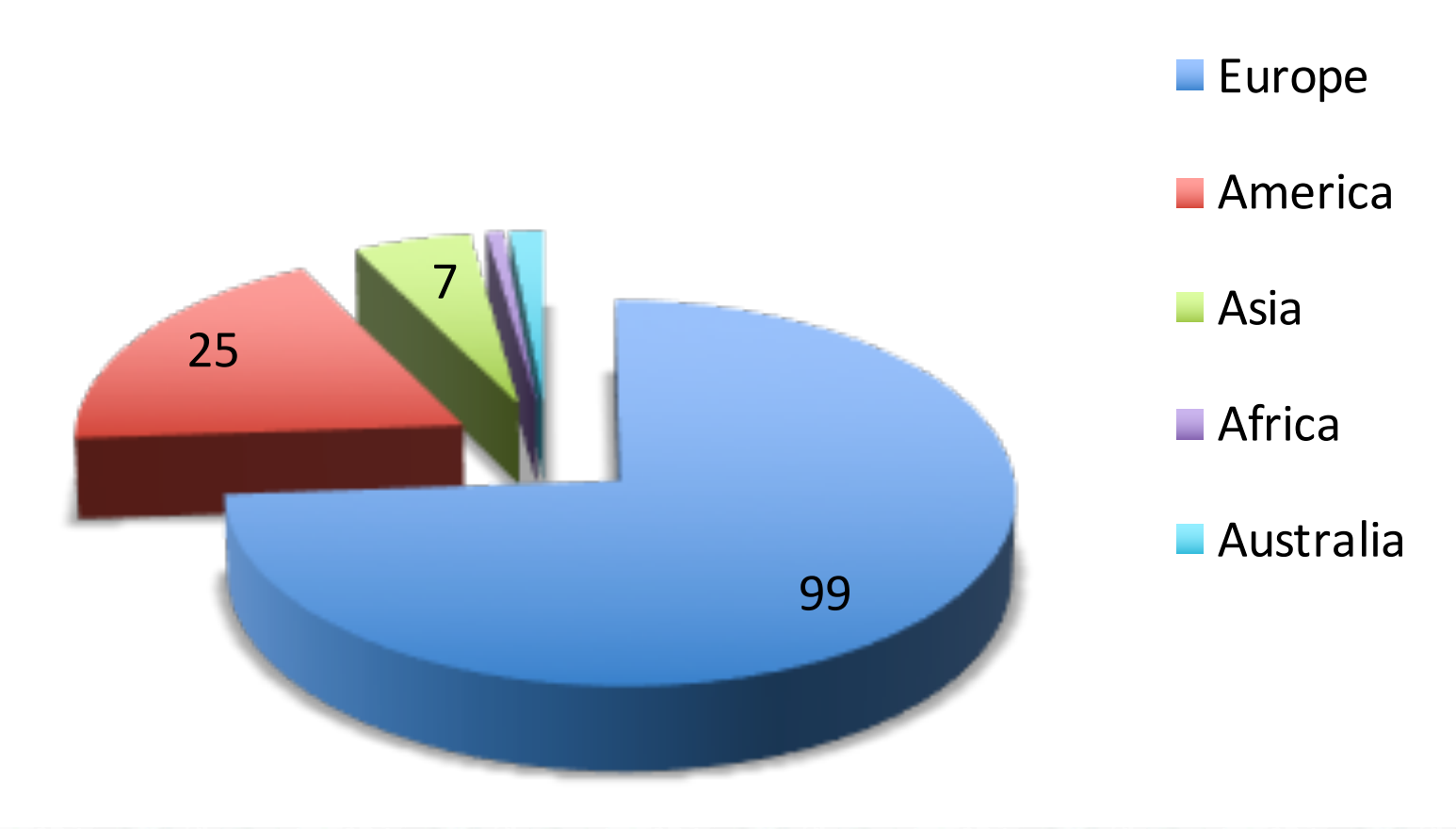
The standard model in particle physics, and beyond
Production properties of the Higgs boson
New trends in astrophysics and cosmology
The search for dark matter and dark energy
Neutrinos in the laboratory and the universe

Programme Committee
Etienne Augé, Orsay Univ.,France
Jodi Cooley, SMU, Dallas, USA
Jacques Dumarchez, LPNHE, France
Daniel Froidevaux, CERN, Switzerland
Christophe Grojean, DESY, Germany
Boaz Klima, FNAL, USA
Thomas Lohse, Humboldt Univ. , Germany
Sotiris Loucatos, Irfu-CEA and APC, France
Silvia Pascoli, Durham Univ. UK
Bolek Pietrzyk, LAPP, Annecy, France
Dorothea Samtleben, NIKHEF
and Leiden University, Netherlands
Chung-I Tan, Brown University, USA
Jean Trân Thanh Vân, Orsay Univ., France
Giulia Zanderighi, CERN, Switzerland
and Oxford University, UK

New Models
New Physics
New Techniques

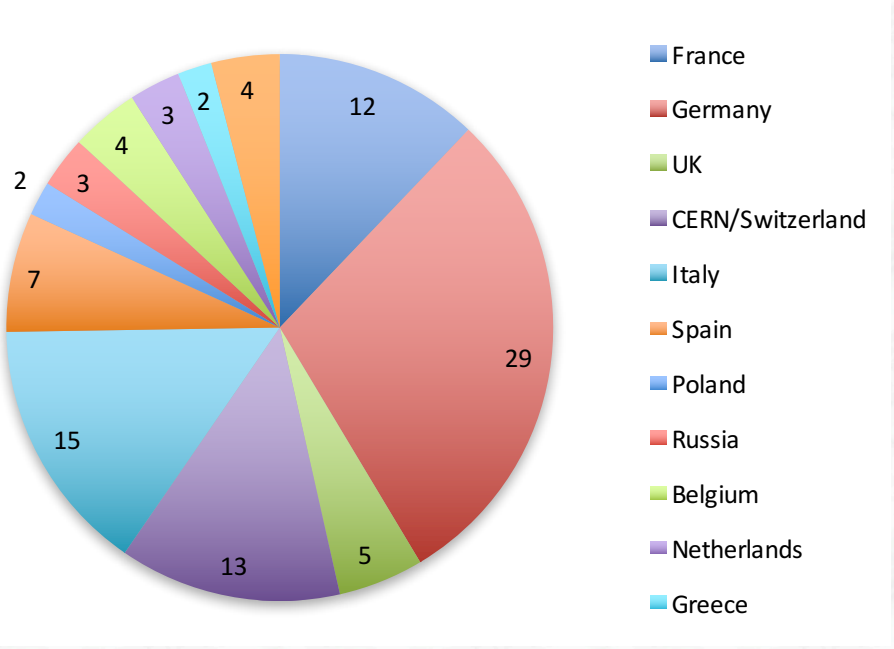
http://blois.in2p3.fr/2017/

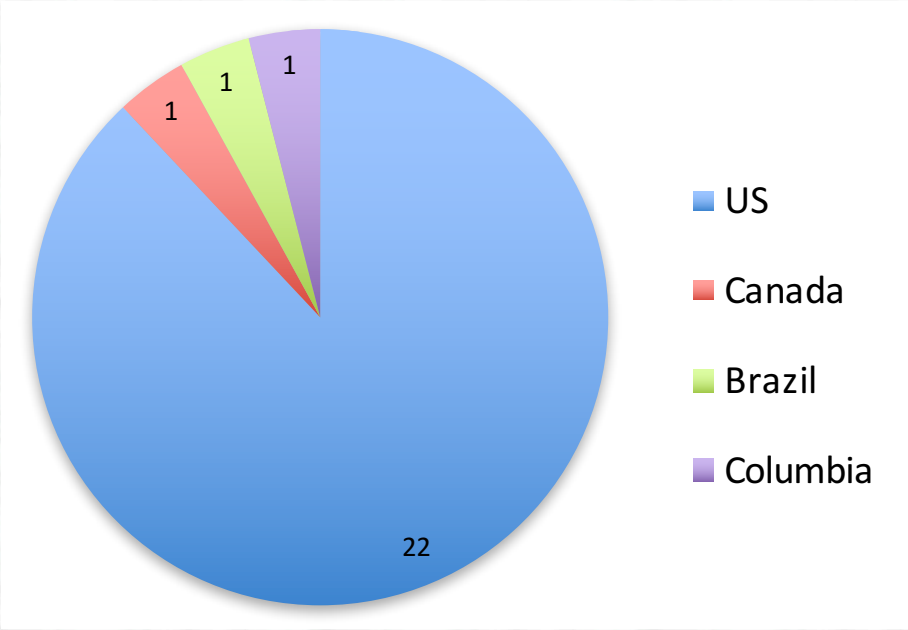
Participants

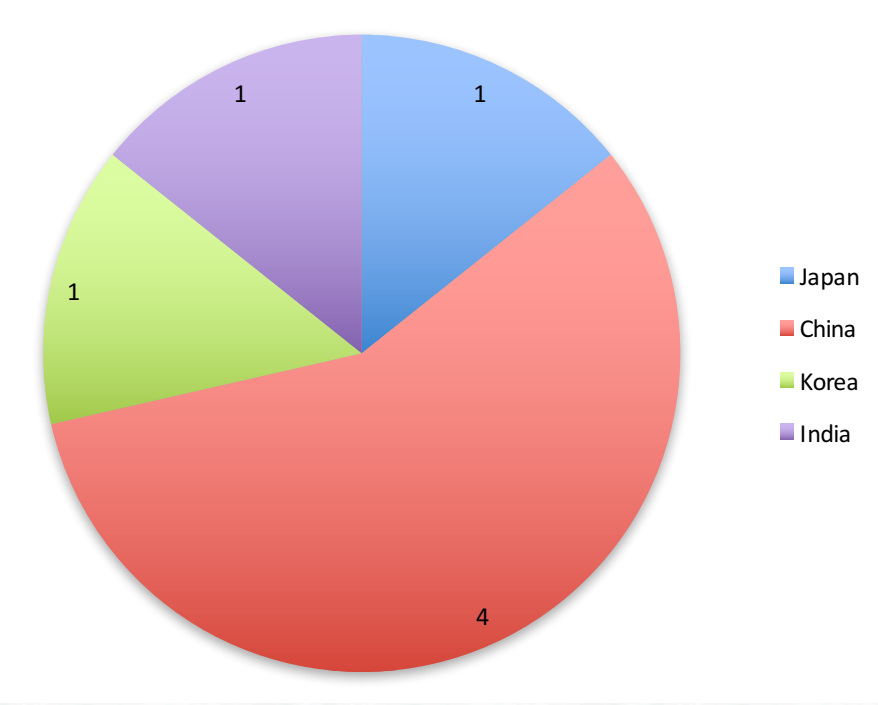


134 participants

Participants







Program Committee

A handful of people worked hard for several months to make it an interesting and exciting conference:

Etienne Augé, IN2P3 Paris,France
Jodi Ann Cooley-Sekula, SMU, Dallas, USA
Jacques Dumarchez, LPNHE, France
Christophe Grojean, DESY, Germany
Daniel Froidevaux, CERN, Switzerland
Thomas Lohse, Humboldt Univ. Berlin, Germany
Sotiris Loucatos, CEA, France
James Olsen, Princeton Univ., USA
Silvia Pascoli, Durham Univ., UK
Bolek Pietrzyk, LAPP, Annecy, France
Dorothea Samtleben, NIKHEF& Leiden Univ., The Netherlands
Chung-I Tan, Brown University, USA
Jean Trân Thanh Vân, Orsay Univ., France
Giulia Zanderighi, CERN and Oxford Univ., UK

- Please don't hesitate to ask them for help on anything
- Comments / feedback on the program are much appreciated

Some organisational issues

- All sessions will be held in the Chateau
  – it's your home for the next five days!

  - All plenary sessions will be held in this room
  - The parallel sessions will be held in this and nearby rooms
    - **Few last-minute changes – follow Indico or posts on bulletin boards around**

  - **Please upload your talk on Indico at least 24 h in advance**
  - **For safety, bring your talk/file on a stick; check with the chair before the session starts**

- All lunches and dinners are served in the large room behind me

- Coffee Breaks are served in the large room downstairs (ground floor)

- Internet is available downstairs - not here!

Remember, you are in this room to listen to very interesting talks and exciting discussions…

Some organisational issues (cont.)

- Today's special attractions:
  - 09:45 – Conference Photo (downstairs in the courtyard)
  - 18:00 – Visit of the Chateau (in small groups; assemble @courtyard)
- Every night – Sound and Light show (@courtyard) starts at 10pm (10:30pm from 1 June onwards)

  Audio systems for simultaneous translation into several languages

Some organisational issues (cont.)

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  Audio systems for simultaneous translation into several languages
- Conference Summary Speaker

  Manfred Lindner (many thanks!)

Today's Program

10:15 → 12:30 **Highlights** — Gaston d'Orléans

- 10:15 **Alternative dark matter theories** — 45m
  Speaker: Neal Weiner (NYU)
- 11:00 **Status and prospecs for BSM at LHC** — 45m
  Speaker: Matthew Reece (Harvard University)
- 11:45 **Lattice overview and prospects** — 45m
  Speaker: Guido Martinelli (Universita e INFN, Roma I (IT))

12:30 → 14:00 **Lunch** — Dinning Room @ Chateau

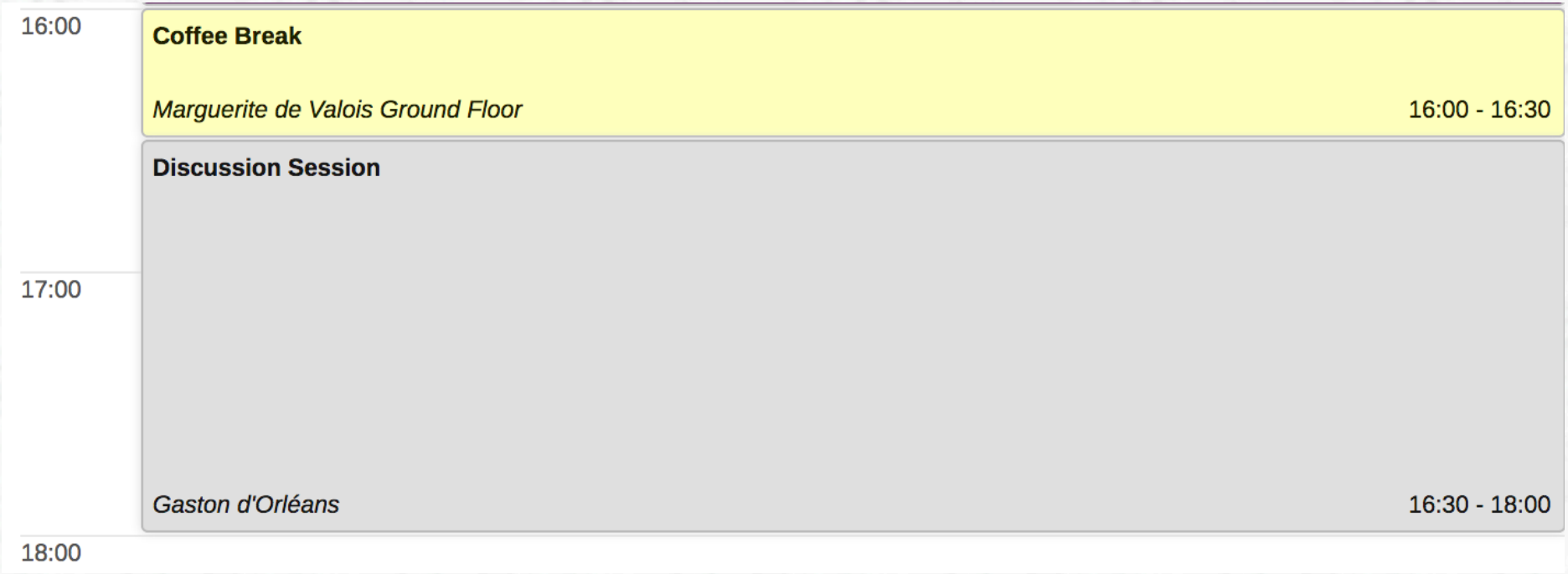
14:00 → 16:30 **The Higgs Boson** — Gaston d'Orléans

- 14:00 **Higgs couplings and properties from run1 and run 2 measurements and their combinations** — 30m
  Speaker: Rainer Mankel (Deutsches Elektronen-Synchrotron (DE))
- 14:30 **Higgs differential and binned measurements per production and decay modes from run 1 and run 2** — 30m
  Speaker: Stefan Gadatsch (CERN)
- 15:00 **Coffee break**
- 15:30 **Prospects for SM Higgs physics at the LHC (run 2 to HL-LHC)** — 30m
  Speaker: Stefano Forte (Università degli Studi e INFN Milano (IT))
- 16:00 ~~**BSM prospects in Higgs physics at the LHC**~~ — 30m
  Speaker: Francesco Riva (CERN)

cancelled

- First time in Blois: Discussion Session -

Thursday, 1 June



- Topics of interest to be identified while we are going – please give us input
- Plenty of time to discuss – **needs your active participation**
- We'll try to identify participants who can give short "appetizer presentations"
- Give us feedback later whether this was useful