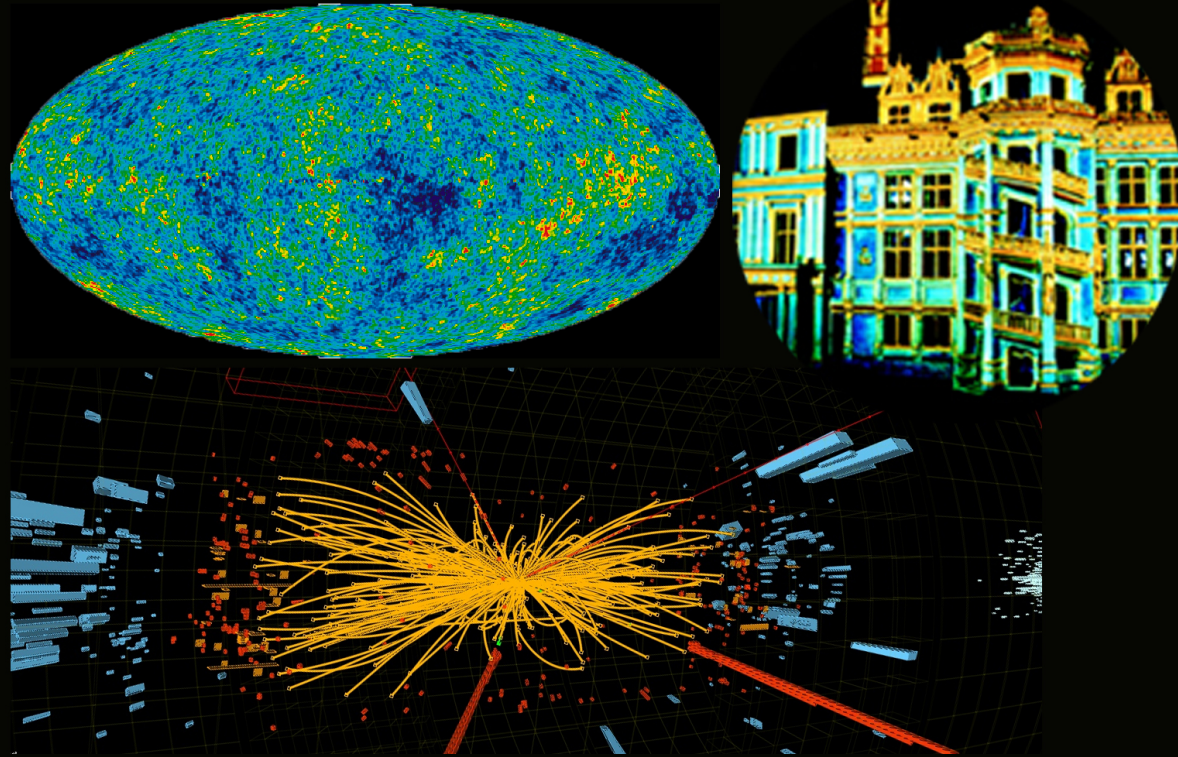


Welcome to Blois 2015



Karl Jakobs, University of Freiburg

XXVIth Rencontres de Blois
Château de Blois, May 31 - June 5, 2015

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
Ludwik Celnikier, Obs. de Paris, France
Jodi Cooley, SMU, Dallas, USA
Jacques Dumarchez, LPNHE, France
Yannick Giraud-Héraud, APC, France
Christophe Grojean, ICREA/IFAE, Spain
and DESY, Germany
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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/2015/index.htm>

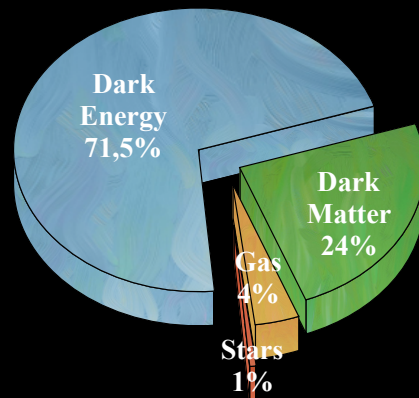
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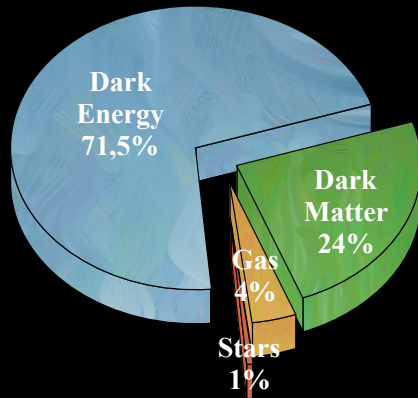
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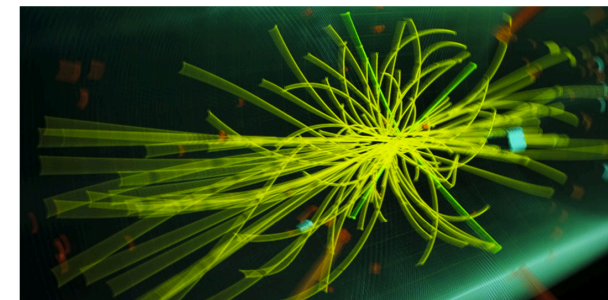


Le Monde.fr

Le boson de Higgs découvert avec 99,999 % de certitude

Le Monde | 04.07.2012 à 09h26 • Mis à jour le 04.07.2012 à 13h39 |

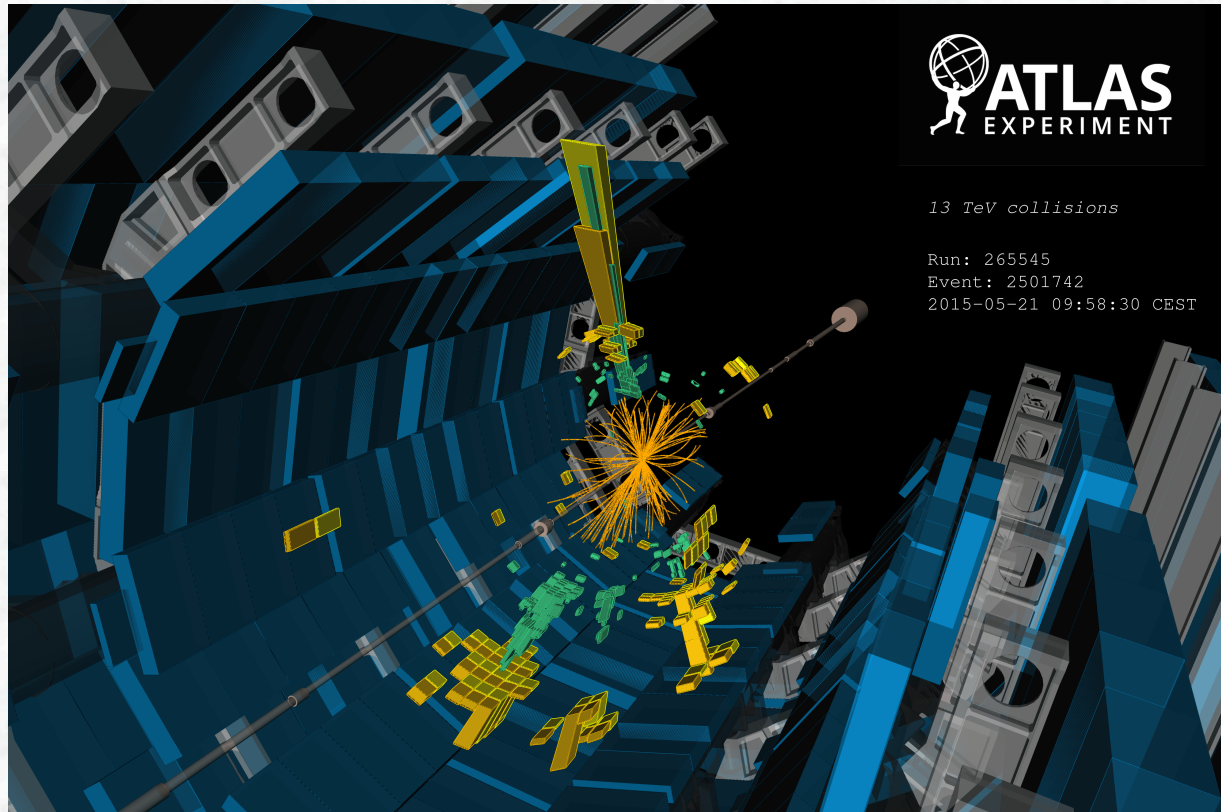
Par David Larousserie - Genève, envoyé spécial



Cette fois, il n'y a plus de doute. Une nouvelle particule a bien été découverte au Centre européen de recherche nucléaire (CERN), près de Genève, grâce à l'accélérateur de particules LHC et ses deux principaux détecteurs, Atlas et CMS.

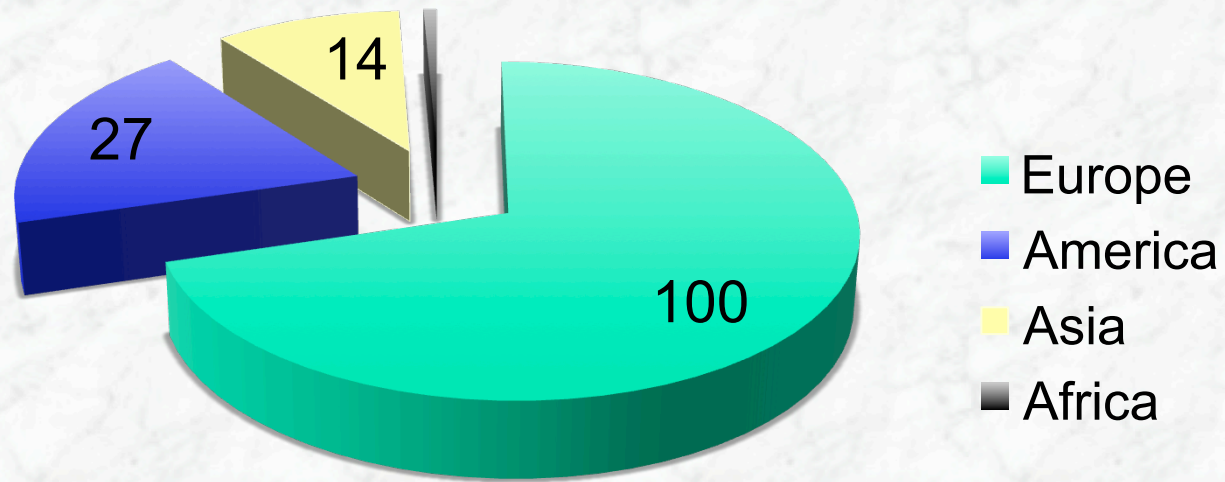
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The LHC will start operation at $\sqrt{s} = 13$ TeV this week



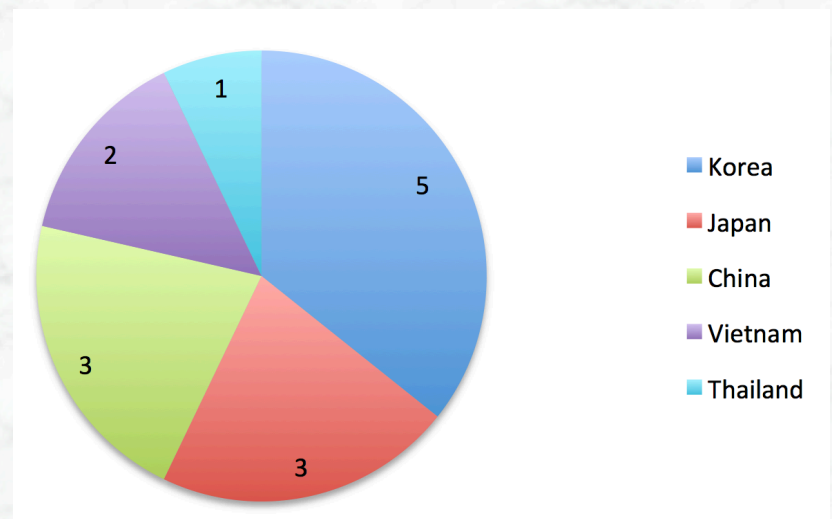
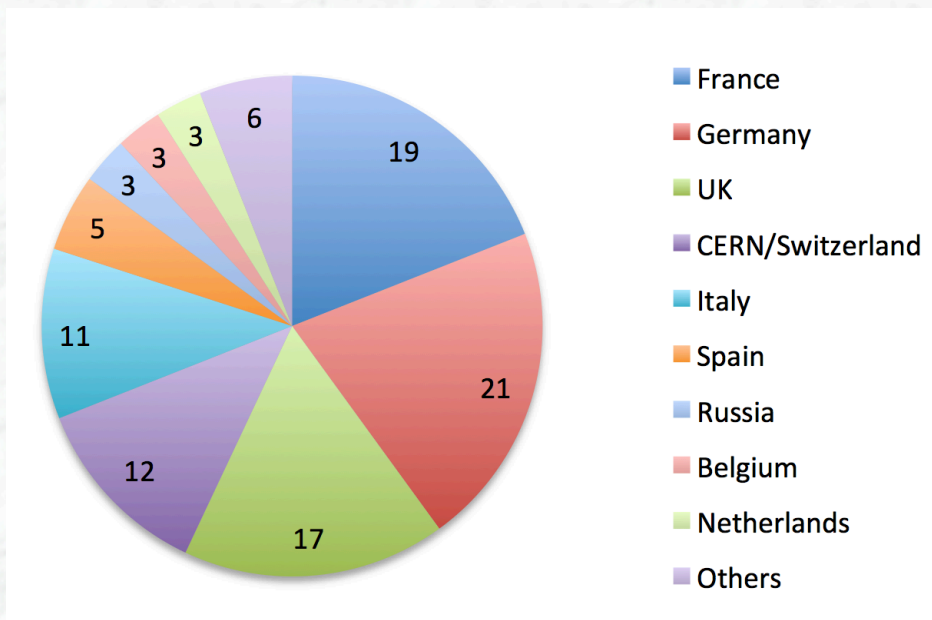
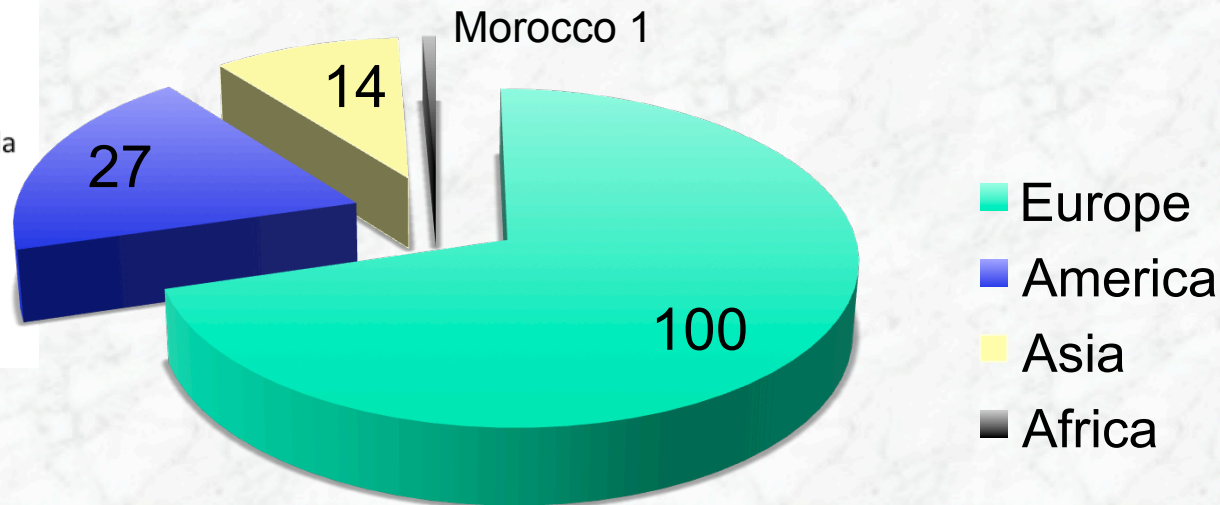
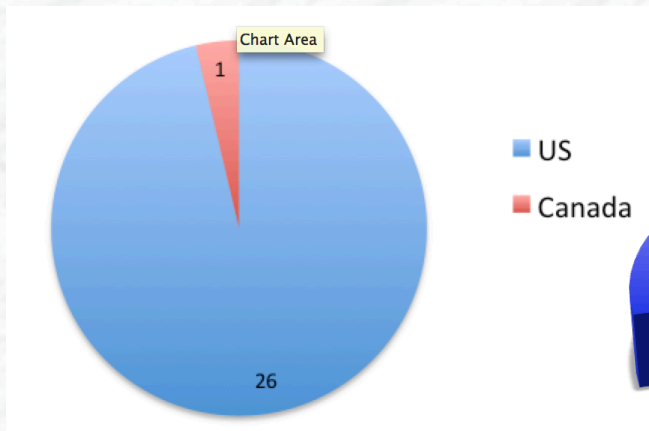
A proton-proton collision at 13 TeV, recorded during a test phase by the ATLAS experiment on 21. May 2015

Participants



142 participants

Participants



Program Committee

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

Etienne Augé, IN2P3 Paris, France
Ludwik Celnikier, Obs. de Paris, France
Jodi Ann Cooley-Sekula, SMU, Dallas, USA
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Giulia Zanderighi, CERN and Oxford, 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 bring your talk/file on a stick to the chair before the session starts
- All lunches and dinners are served in the big room behind me
- Coffee, juice and cookies (“Coffee Breaks”) are served in the big 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:
 - 17:15 – 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 (on Wednesday in English)

Some organisational issues (cont.)

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- Conference Summary Speaker

Gavin Salam (many thanks!)



Today's Program

First Session - Gaston d'Orléans (10:15-12:30)

- Conveners: Jakobs, Karl

time	[id] title	presenter
10:15	[137] The LHC in Run 2, status and plans	LAMONT, Mike
11:00	[136] Neutrino Astronomy	HALZEN, Francis
11:45	[205] Holography: from black holes to condensed matter	SON, Dam Thanh

The Higgs Boson - Gaston d'Orléans (14:00-16:30)

time	[id] title	presenter
14:00	[117] Higgs boson production at the LHC	PETERS, Krisztian
14:30	[118] The Higgs boson profile	GOMEZ-CEBALLOS, Guillermo
15:00	Coffee break	
15:30	[119] Exotic Higgs boson decays	SHELTON, Jessie (Julia)
16:00	[127] Higgs boson, BSM interpretations	MASSO SOLER, Eduard