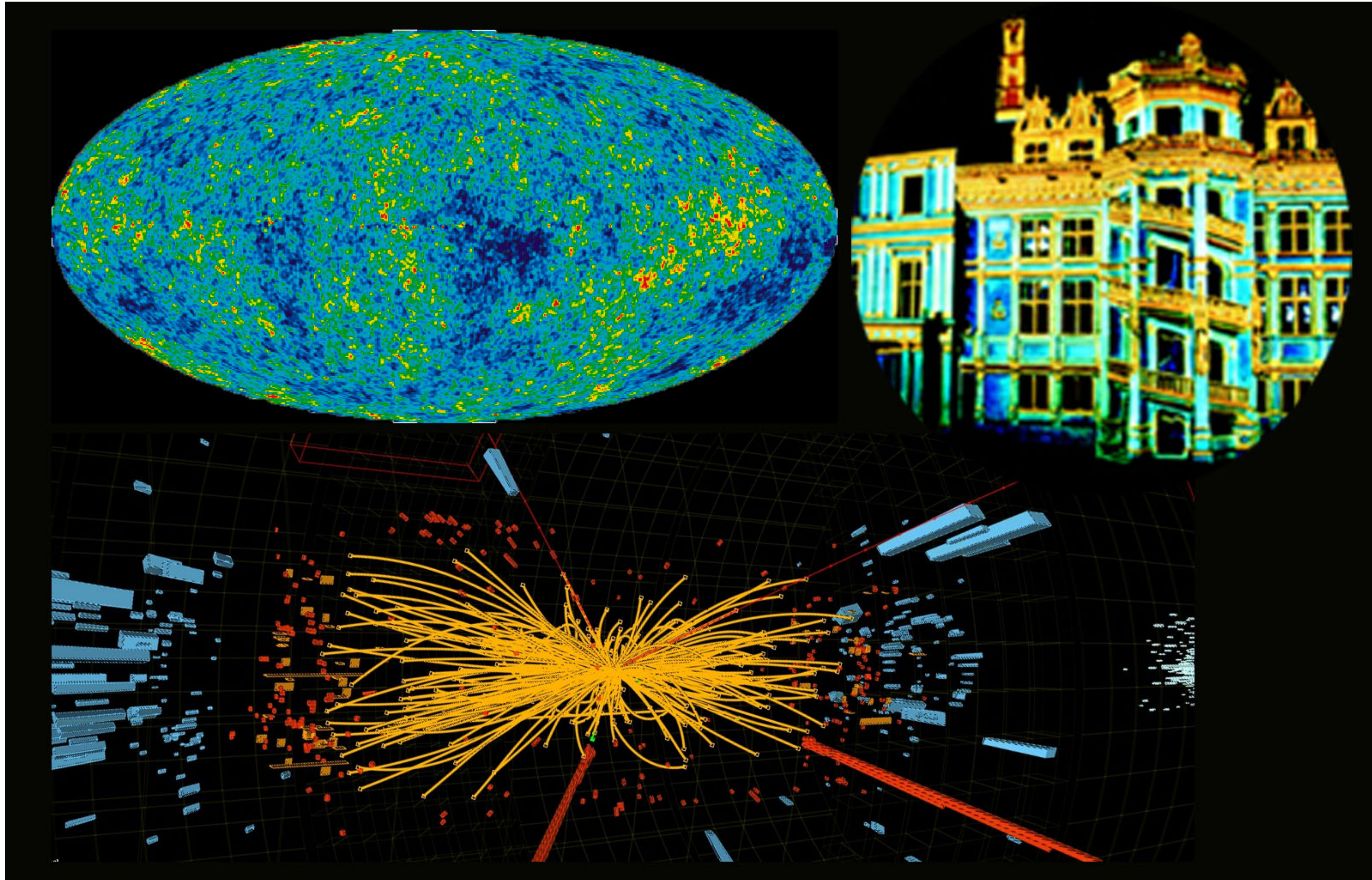


35th Rencontres de Blois

October 20-25, 2024



A nice office for one week



Blois 2024

- 98 participants
- 36 plenary talks
- 55 parallel talks
- Visit of the Blois Castle (Monday afternoon)
- Visit of Chambord (Wednesday morning)
- Light & Sound show (every evening)
- Banquet (Thursday evening)

Thanks for your participation!

SM has turned 60+*

- 1961: S. Glashow, SU(2)xU(1) weak mixing
- 1963: N. Cabibbo, quark mixing
- 1964: R. Brout, F. Englert, P. Higgs, Higgs mechanism
- 1967-68: S. Weinberg, A. Salam, spontaneous symmetry breaking
- 1971: G. 't Hooft and M. Veltman, renormalisation of weak interaction
- 1973: [Gargamelle](#) experiment, discovery of neutral weak currents
- 1973: D. Gross, D. Politzer and F. Wilczek, Quantum chromodynamics
- 1983: [UA1](#) and [UA2](#) experiments, discovery of W and Z bosons

* or 50 or 40 (depending if you are a theorist or an experimentalist)

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... the rest is living history that we are all enjoying.

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Not a new story... many (failed?) attempts

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- GUT (Pati-Salam '73, Georgi-Glashow '74)
- SUSY ('71) / MSSM ('77-'81)
- Technicolor ('79)
- Large extra dimension, aka ADD ('98)
- Warped extra dimension, aka RS ('99)
- Composite Higgs ('84-'03)
- Little Higgs ('01)
- Higgsless ('03)
- Relaxion ('15)
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(BSM can only be an ephemeral concept!)

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*I'll soon be the
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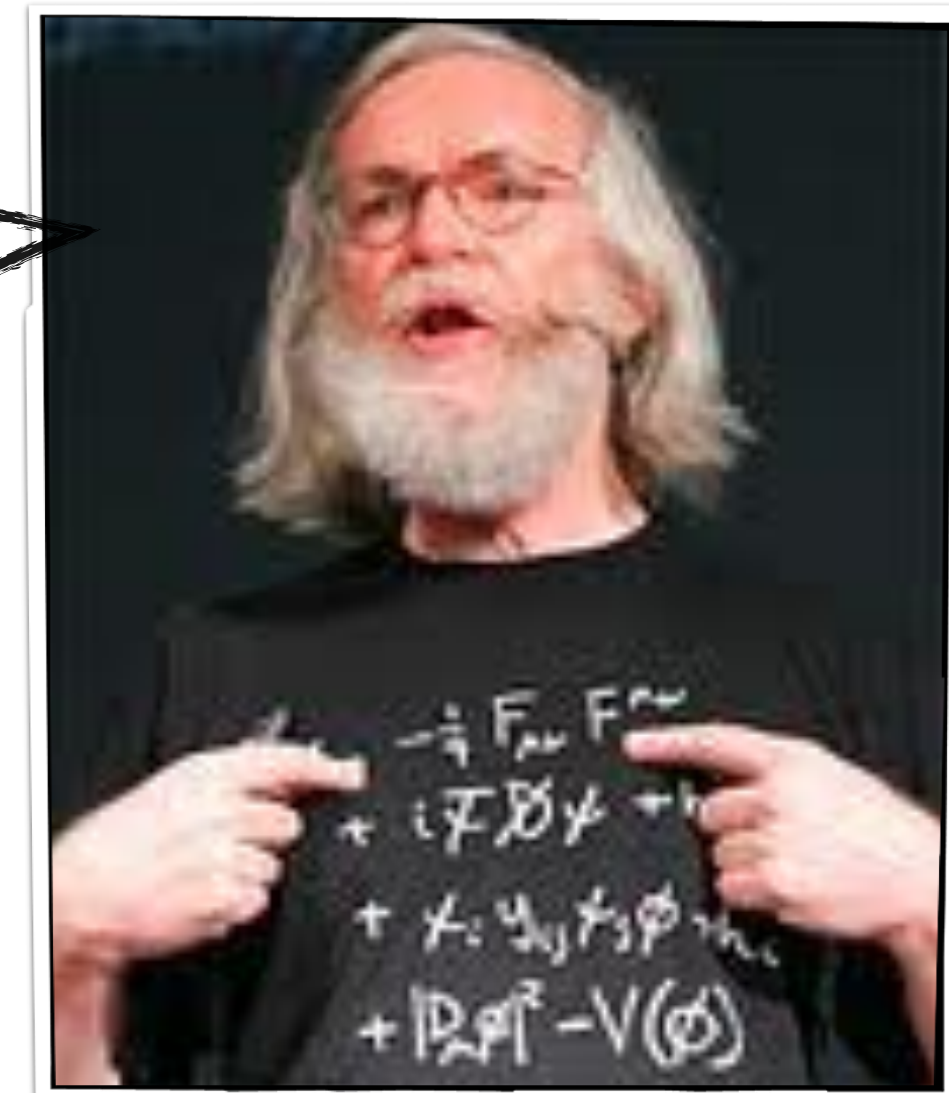
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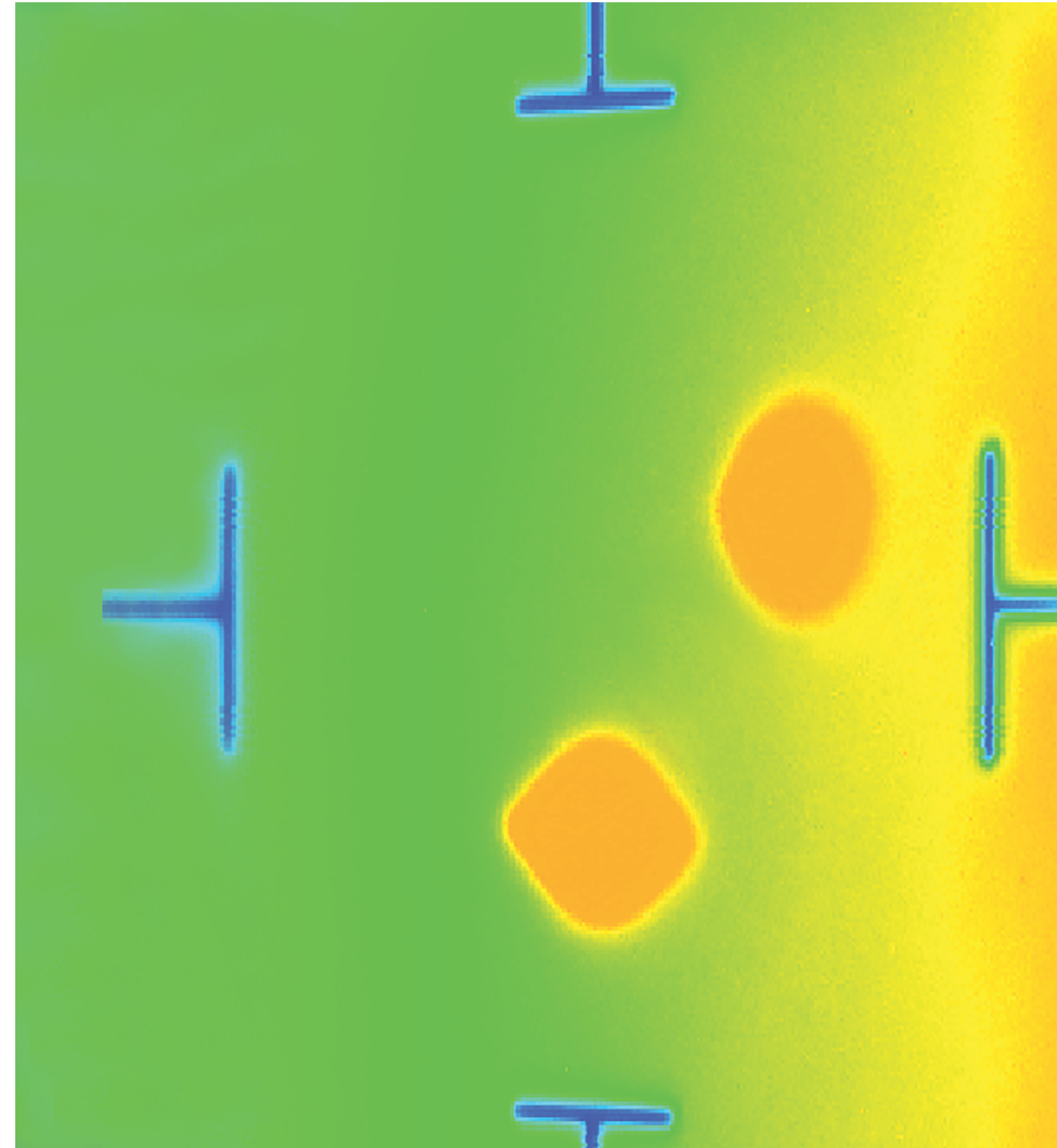
I'll soon
discover SUSY



LHC is turning 15

Sept. 10, 2008

CERN Courier 2018



First beam circulated in LHC tunnel

LHC is turning 15

Sept. 10, 2008

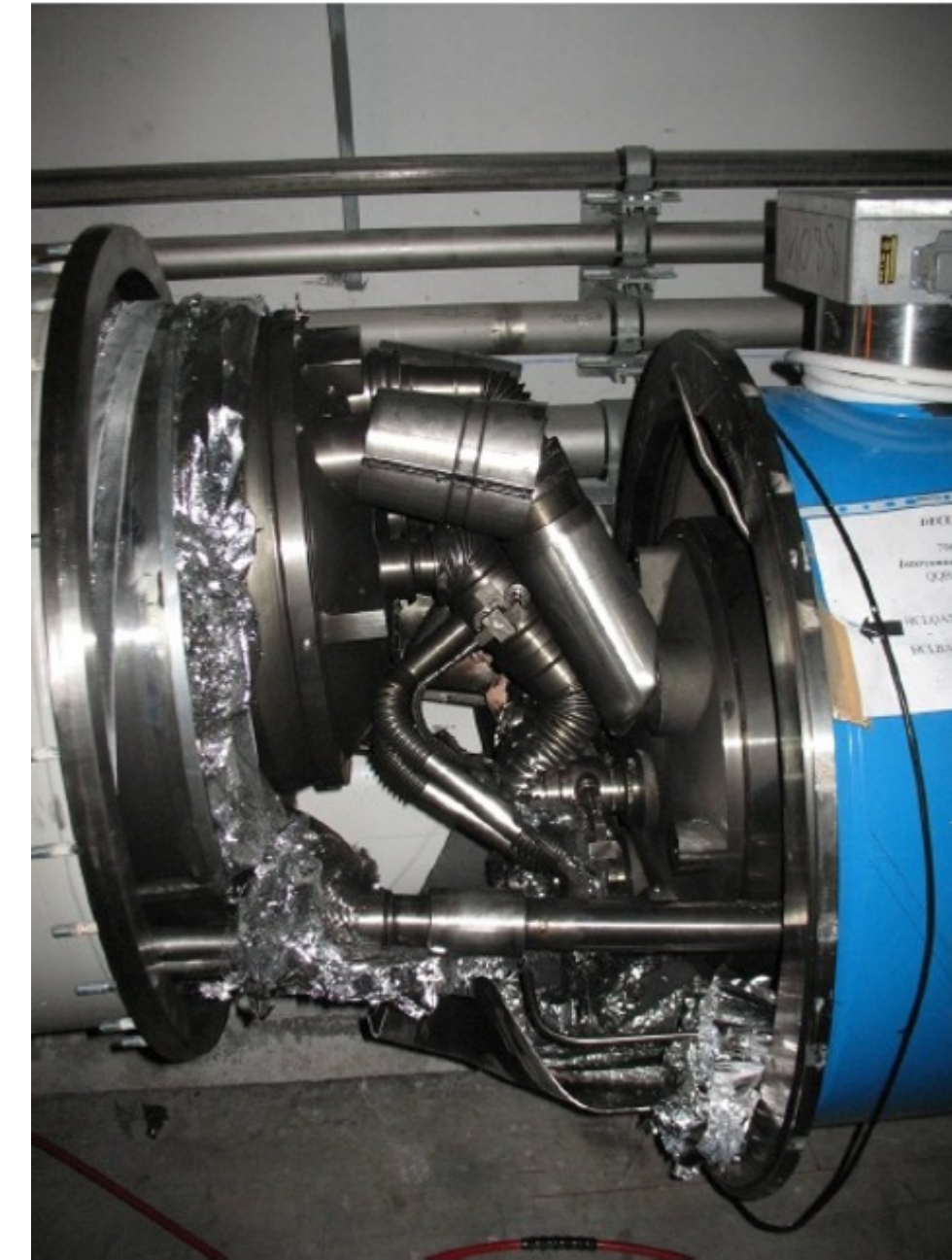


LHC is turning 15

Sept. 10, 2008



Sept. 19, 2008



LHC implosion/explosion
b/c one inter-magnet connector (out of 100,000)
was «badly» soldered

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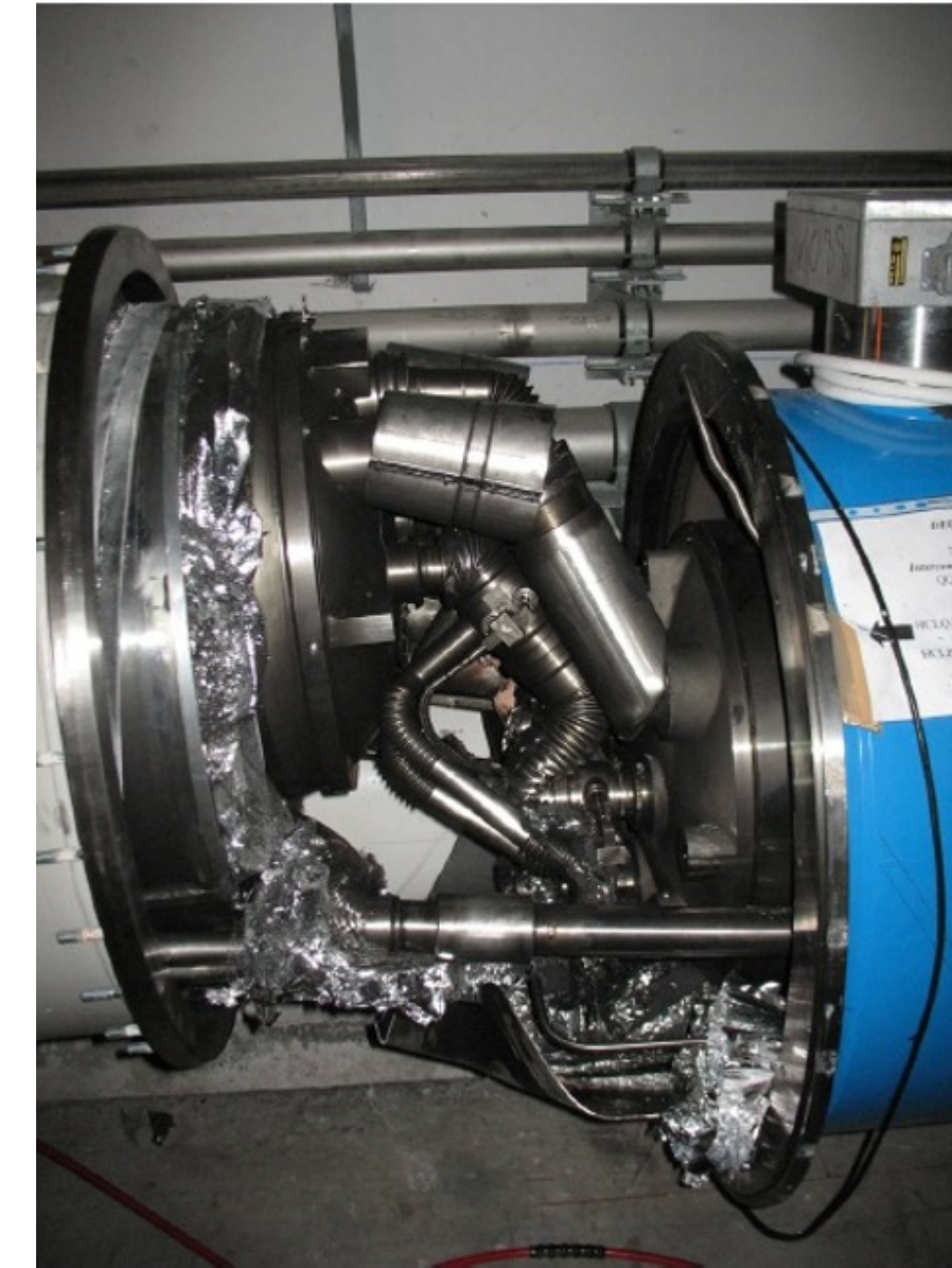
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LHC implosion/explosion
b/c one inter-magnet connector (out of 100,000)
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The incident went almost unnoticed by the rest of the world
thanks to Lehman Brothers bankruptcy (640B\$US) on Sept. 15, 2008.

Particle/Astroparticle/Cosmology

increasing interplay between high energy accelerator based physics and cosmology:

- SM measurements at LHC and low-energy experiments
- Flavour physics
- BSM physics
- Neutrino physics
- Direct and indirect DM searches
- Astrophysics and Cosmology
- Gravitational waves
- Future experiments

Rencontres de Physique

Moriond/Blois/Vietnam

- Rencontres de Moriond started in 1966 with 3 senior physicists and 20 young ones and became the major HEP conference that you all know and love (first in Méribel, then in Les Arcs and now in La Thuile)
- Rencontres de Blois started in 1989
- Rencontres du Vietnam started in 1993 (first in Hanoi, then in Quy Nhon)





RENCONTRES
DE BLOIS





RENCONTRES
DU VIETNAM



THREE NEUTRINOS AND BEYOND

BA THỂ HỆ NEUTRINO VÀ HƠN THỂ NỮA

August 4 - 10, 2019, Quy Nhon, Vietnam



All of this wouldn't be possible without the vision, enthusiasm and dedication of Van and Kim

