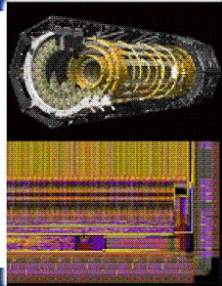


1st Workshop on LHC-ILC Prospects



3D Integrated Technology Perspectives

Ecole Polytechnique, Palaiseau, France

<http://indico.in2p3.fr/conferenceDisplay.py?confId=400>

29-30
November 2007

Organising committee:

Ch. De La Taille (LAL)

E. Kajfasz (CPPM)

A. Rozanov (CPPM)

M. Winter (Chair) (IPHC)



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Photo courtesy of Foukaya/Institut für Zuercher Physik und Instrumentation (IZP)



CENTRE NATIONAL
DE LA RECHERCHE
SCIENTIFIQUE

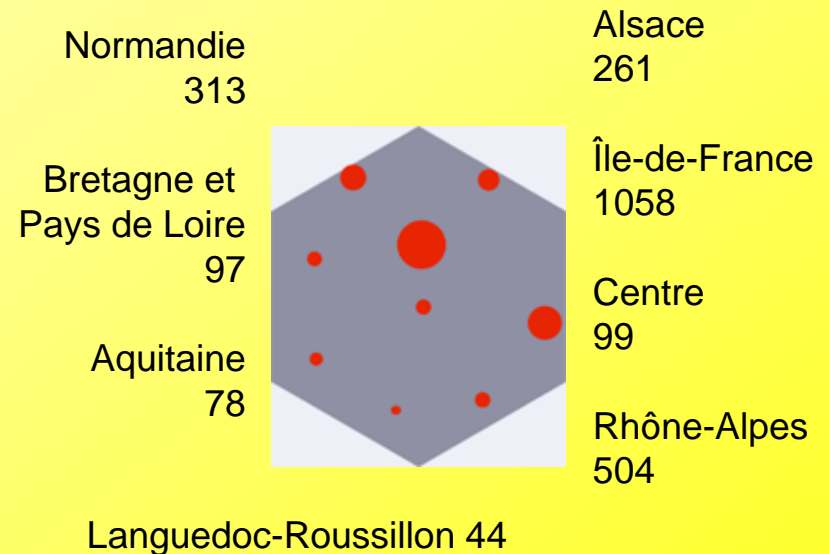
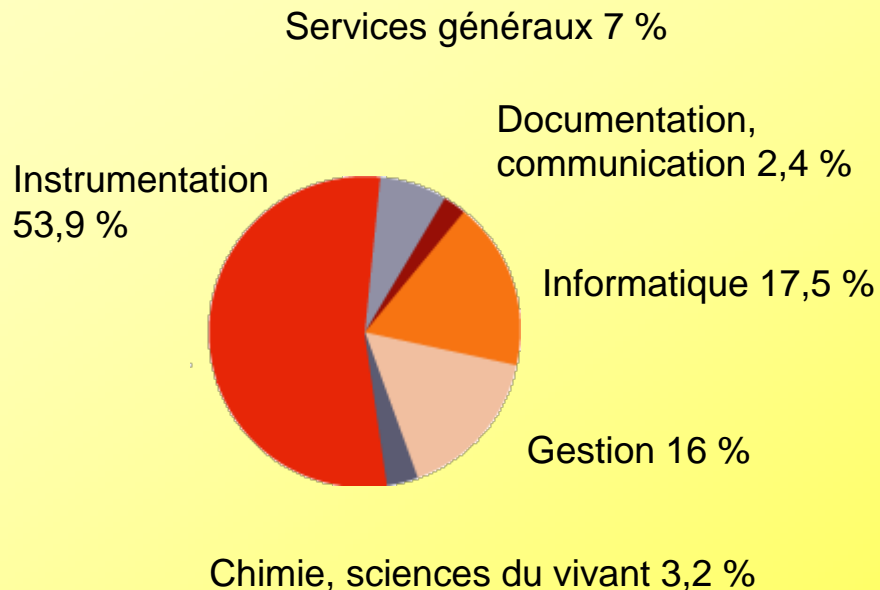
IN2P3

INSTITUT NATIONAL DE PHYSIQUE NUCLÉAIRE
ET DE PHYSIQUE DES PARTICULES

Engineering at IN2P3

**Engineers, Technicians and
Administrative employees**
1550 people

20 Laboratories
2800 personnes



IN2P3 « mean lab »

(Non existing Lab)

- 140 people
 - 60 Scientists
 - 80 Engineers, Technicians and Administrative employees
 - 44 Engineers and Technicians in the field of instrumentation (Mechanics, Electronics, Optics, ...)
 - *2 skilled engineers in Microelectronics*

Microelectronics at IN2P3

In fact, # 40 microelectronics specialists are mainly located in four groups in France :

- Orsay (near Paris)
- Strasbourg
- Lyon / Clermont Ferrand
- Marseille

+ almost *every* Lab has the capability to take Microelectronics into account in WP

After LHC ...

Two « Challenges » in short future :

- ILC detectors design
- LHC detectors upgrades

IN2P3 want to be *involved* in leading consortia

(2008 ~ start of LHC upgrade R&D)

Workshops

This workshop is the first of a series

(every other 6 month ?)

Other thematics : Calorimetry, etc ...

=> To structure a synergy between ILC and LHC-upgrades communities

Technologies

What are emerging technologies ?

Which technologies will be mature in 2018 ?

We have to analyze multiparameters
complex indicators (feasibility, reliability,
costs, industrial market, ...)