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ATLAS visit to CC-IN2P3

Welcome and Introduction



dapnia
cead
saclay

CNRS
CENTRE NATIONAL
DE LA RECHERCHE
SCIENTIFIQUE

CC-IN2P3 Status



Main scientific organization in France

IN2P3

INSTITUT NATIONAL DE PHYSIQUE NUCLÉAIRE
ET DE PHYSIQUE DES PARTICULES

National Institute for Nuclear Physics and Particle Physics

Dedicated Computing Center



~80%

CNRS very large infrastructure

CC-IN2P3 federates the main computing resources

For :

- High energy physics
- Nuclear physics
- Astroparticle physics

+ some opening to other sciences (mainly Biology)

DSM



dapnia

Atomic Energy Commission

~20%

A few comments

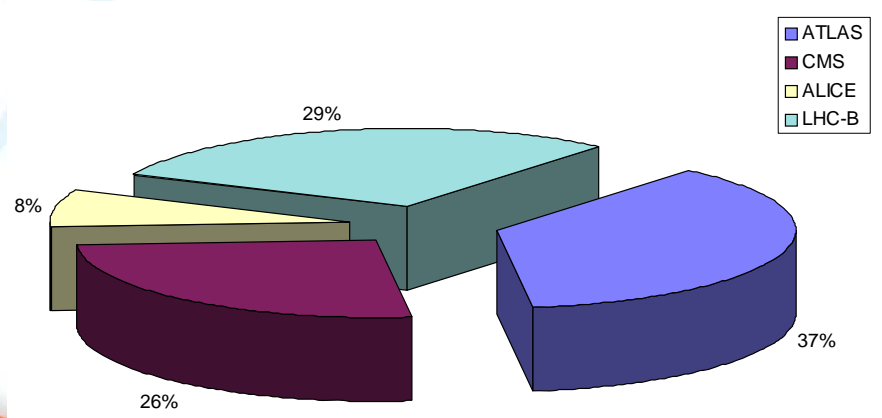
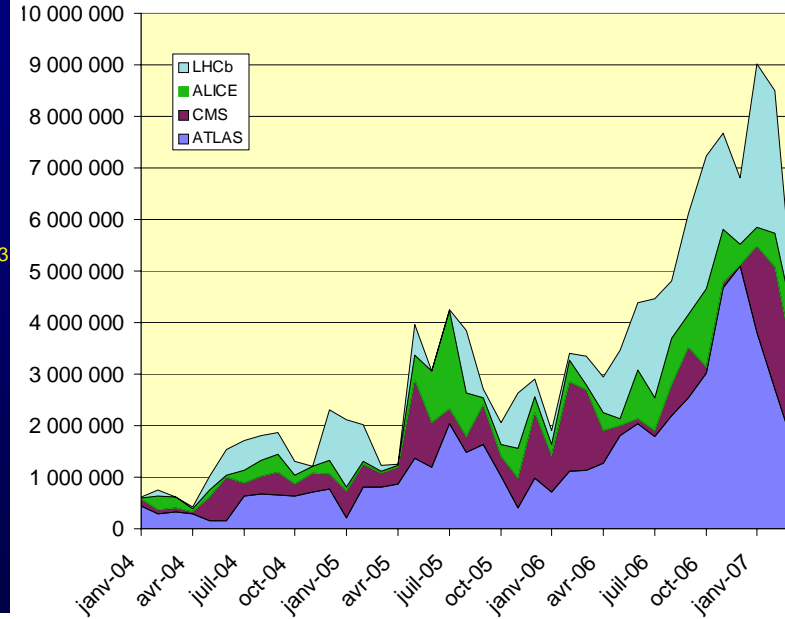
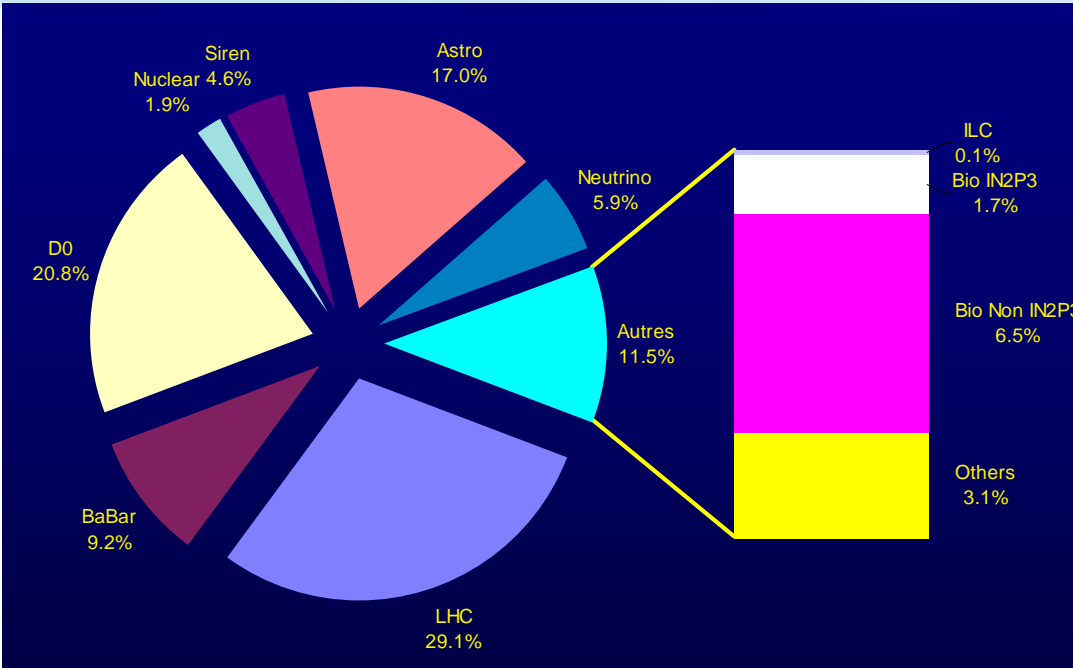


- IN2P3 is putting a lot of effort on LHC computing Especially ATLAS
 - Budget (45% of LCG budget for ATLAS)
 - Manpower (8 people hired with permanent position in 2 years)
 - Not only computing professionals

CC-IN2P3 budget in 2007: 9.4 M€
+ ~2.5 M€ for salaries

- W-LCG is the main priority for CC-IN2P3
- Nevertheless CC-IN2P3 is not dedicated to LHC and we need to provide resources to many groups
- One of the basic principle at CC-IN2P3 is to avoid as much as possible to dedicate resources
 - We want to stick to this principle
 - We also want to keep our specificities
 - Batch system
 - HPSS
 - ...
- We basically have all the expertise at CC-IN2P3. We now mainly need to reinforce the operational aspects

LHC position within CC-IN2P3



■ Infrastructure

- We are currently completing the computer room infrastructure upgrade
 - Up to 1 MW available for computing (not counting cooling)
 - 1.5 M€ invested in this upgrade
 - This money was not foreseen on the original French LCG budget
- The computer room will be at its maximum capacity in 2009
- **A new building is mandatory**

■ Key people under temporary contracts (40%)

- All EGEE contracts will end at the same time

Welcome at CC-IN2P3...

... Enjoy your visit in Lyon