

Overview of experiments at CC-IN2P3

IHEP delegation – June 10 – 11, 2014

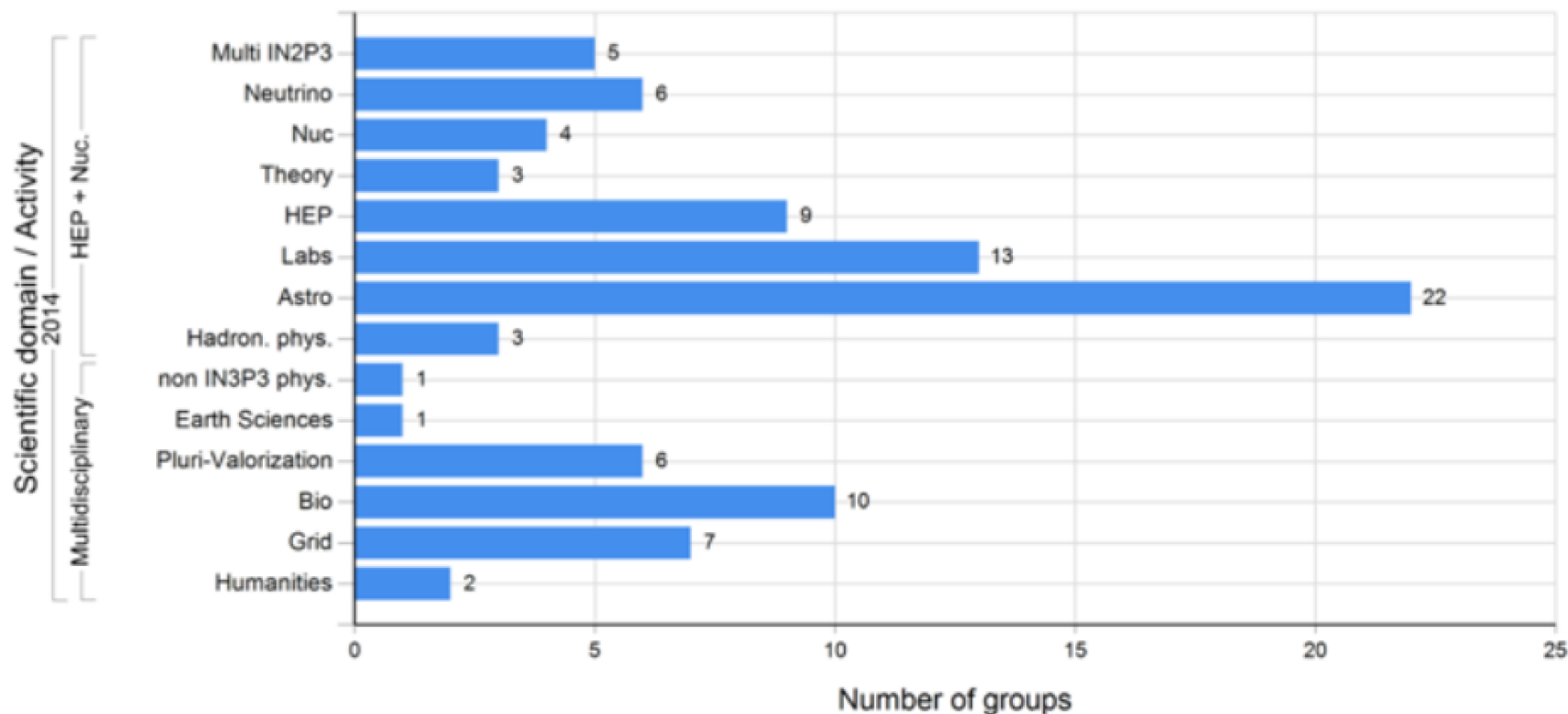
David Bouvet

- Computing Center should serve all scientific themes covered by IN2P3
 - Share the resources as much as possible
 - Avoid dedicated ones
 - Follow IN2P3 scientific priorities
- CCIN2P3 is opened to non-IN2P3 domain
 - Limited to < 5 % of resources mainly in biomedical domain

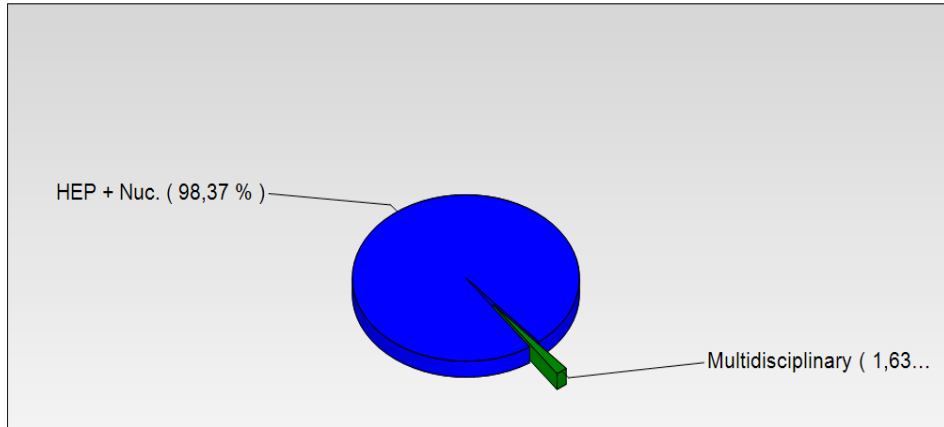
- Each year, resources requests are collected from each group for the following year.
 - Requests are supervised and registered after discussion with group responsible.
 - Estimations asked for the 3-4 coming years
- Arbitration of the requests depending on budget and priorities to allocate resources

- 97 user groups :
 - 70 HEP (LHC, astroparticle...) + Nuclear physics
 - 27 non-IN2P3 : mainly biomedical (2 % of ressource)

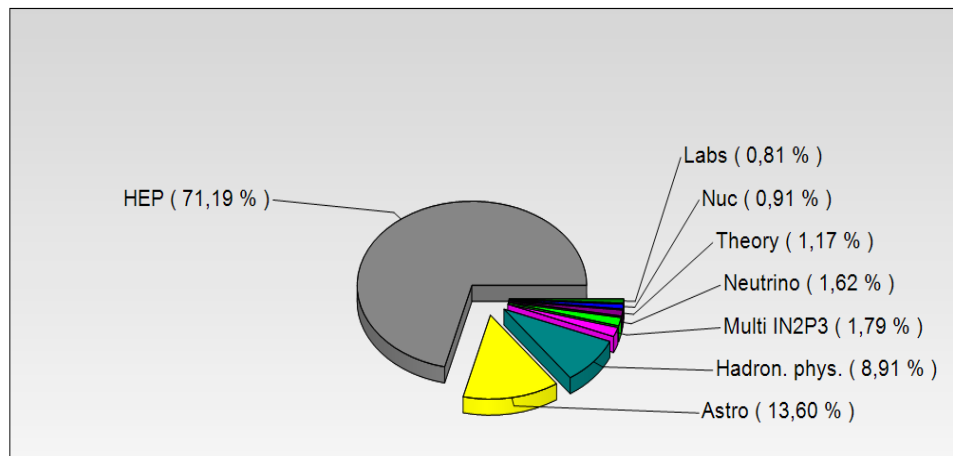
Number of groups by scientific domain and activity in 2014



Total CPU Consumption in 2013 by scientific domain



HEP+Nuc. CPU Consumption in 2013 by activity



- HEP physics dominated by LHC at 90 %
- Astroparticle ramping up (13,6 %) → see Rachid's talk
- Non-IN2P3 activities mainly in biomedical → see Ghita's talk

- HEP : strong implication with dedicated support for LHC experiments and astroparticle
 - needs definition, resources installation, data challenges
 - T1 for LHC, MOU
- Nuclear physics, theory : smaller groups
 - relatively independant but still need some support

THANK YOU FOR YOUR ATTENTION



LHC

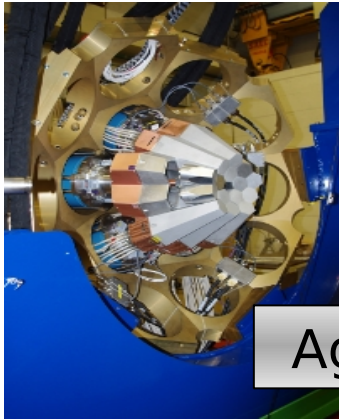


AMS

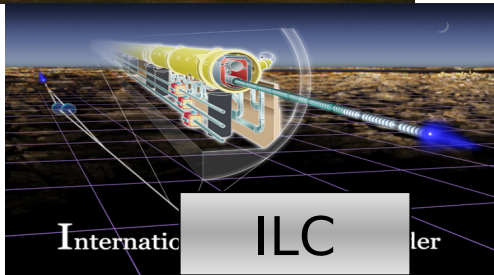


HESS

Auger



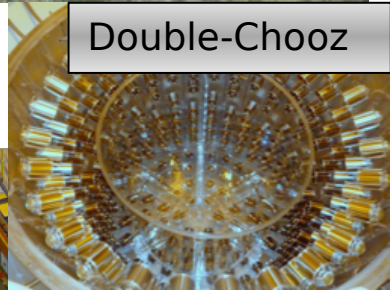
Agata



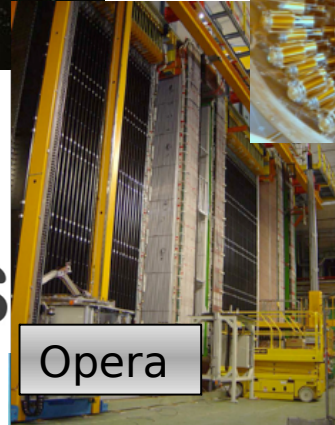
ILC



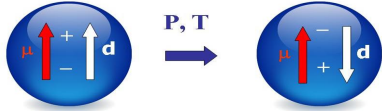
Planck



Double-Chooz



Opera



nEDM



ANTARES



PHENIX



VIRGO

