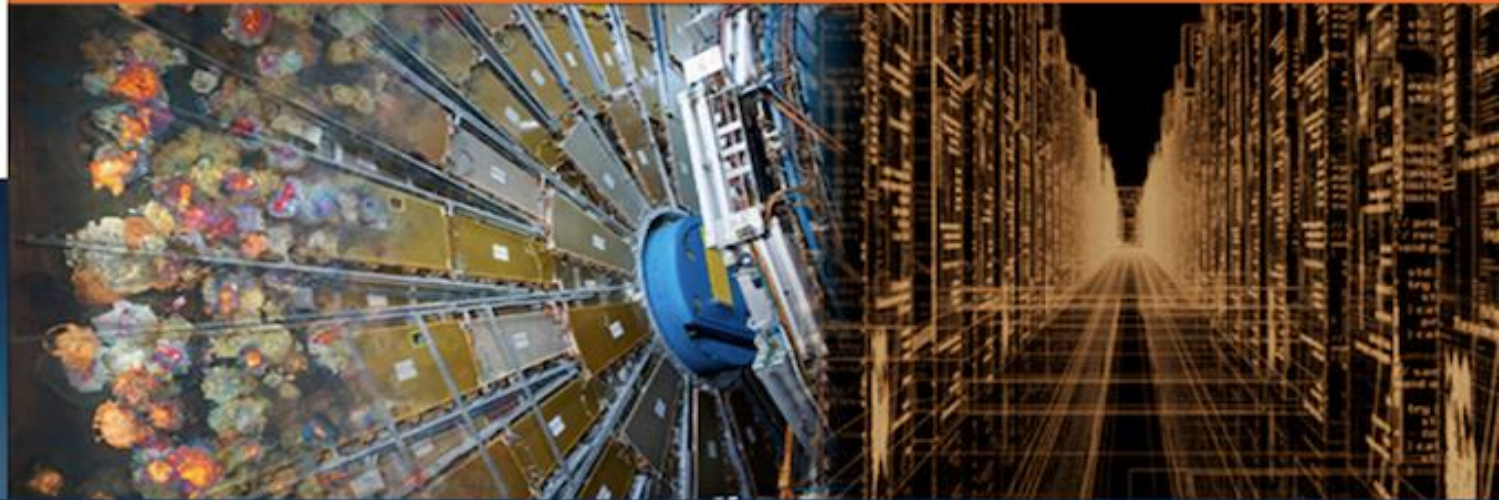


4-6 Octobre 2021

Auditorium Pierre Lehmann

Bâtiment 200 - rue Ampère

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Journées R&T IN2P3 2021 - IJCLab, Orsay - France

# Bienvenu(e)s à IJCLab

*Achille Stocchi*  
*04 Octobre 2021*



# Formed on 2020 by the merging of CNSM, IPN, IMNC, LAL, LPT



## Direction du laboratoire



**~710 membres (530 permanents)**  
 One of the biggest laboratory in CNRS / Paris-Saclay / Université de Paris



**7 Pôles de recherche**  
 31 research teams et 2 services

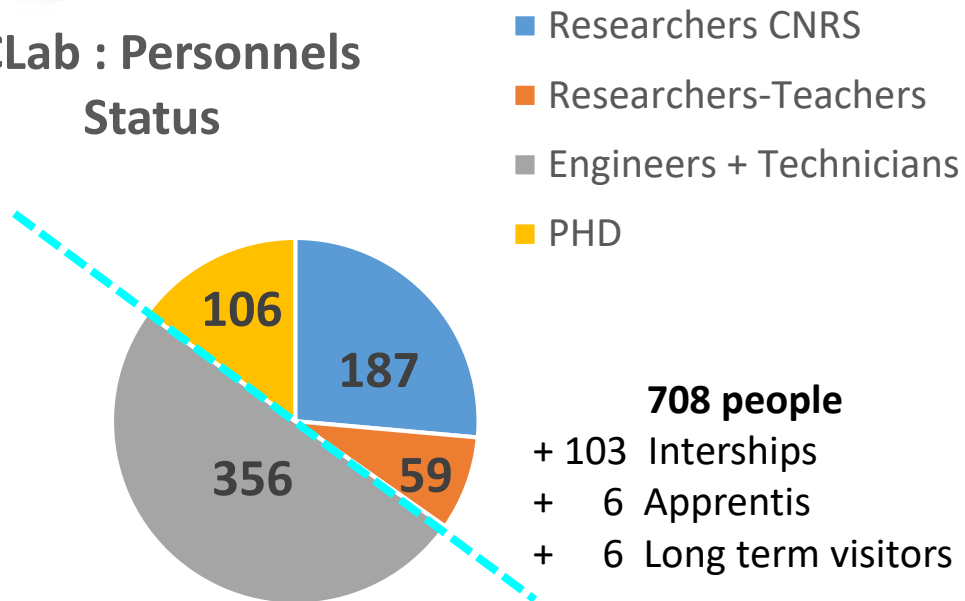
**1 Pôle Ingénierie**  
 4 Départements with 11 Services

**1 Pôle Administration**  
 3 Divisions + 1 Service

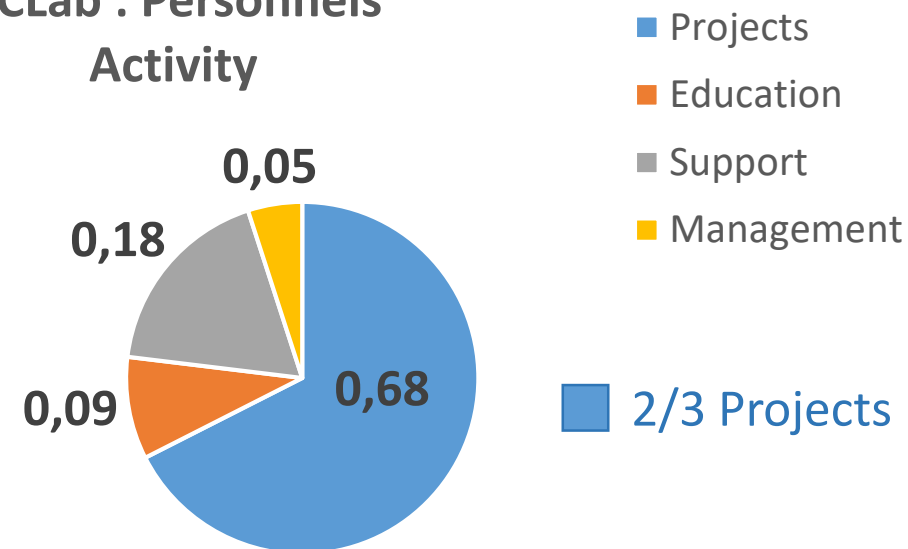
**8 Support Services**

**5 Plateformes (with externals)**  
 + several technical platforms

## IJCLab : Personnels Status



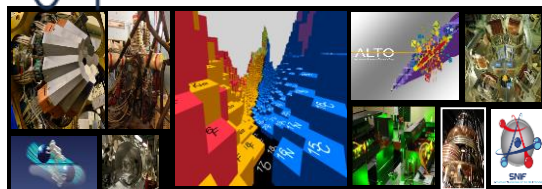
## IJCLab : Personnels Activity





The ensemble of all the themes of “the physics of the two infinities” with the presence of strong historical/existing poles, of emerging poles and of activities at the interfaces

**PHYSIQUE NUCLÉAIRE**  
**NUCLEAR PHYSICS** ~ 67



**A2C** Astroparticles, Astrophysics  
& Cosmology ~ 64



**Accelerator Physics** ~ 87



Including RF and cryogenic services

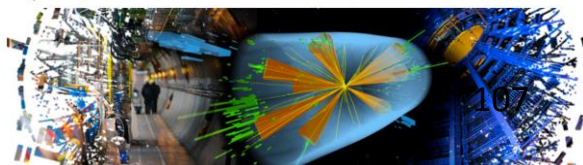
**Théorie** ~ 52



**Energie et Environnement** ~ 40



**PHE** Physique des Hautes Energies  
High Energy Physics



**Santé** ~ 23



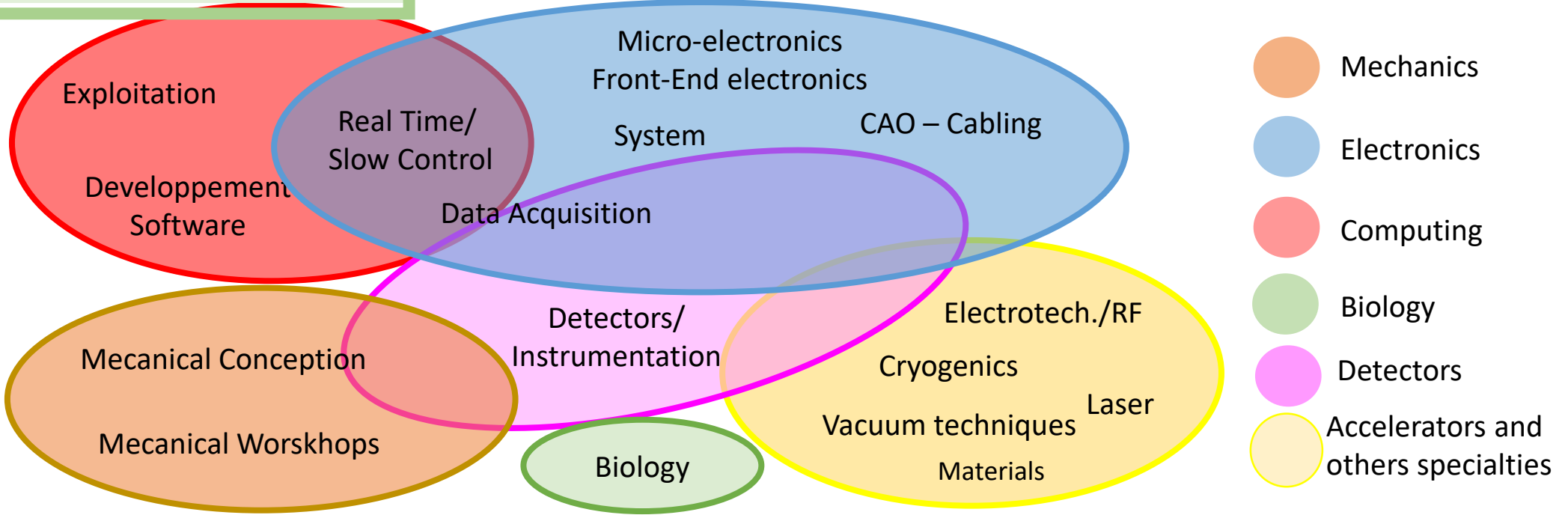
~ 120 PhD

~180 staff members  
 4 Departments :  
**Electronics / Computing**  
**Instrumentation / Mechanics**  
 with 10 Services  
 + platforms

**Technical staff with technical skills/expertise**

**essential pillars for the laboratory to design, draw and build instruments.**

- Technical services are fuelled by the challenges of research (R&D and projects)
- The proximity of technical and research teams (integrated teams)
- The ability to combine and make coexist versatility and specialization





## Two large platforms of engineering pole

### Two examples of platforms inside the Engineering Pole

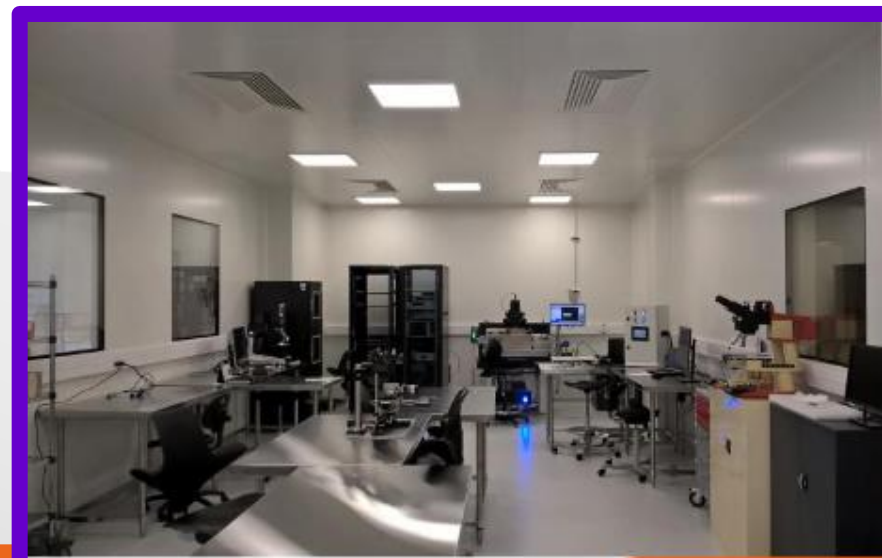
**Virtual Data datacenter** recently extended

- 51 racks (capacity = 2000 servers)
- up to 600 kW

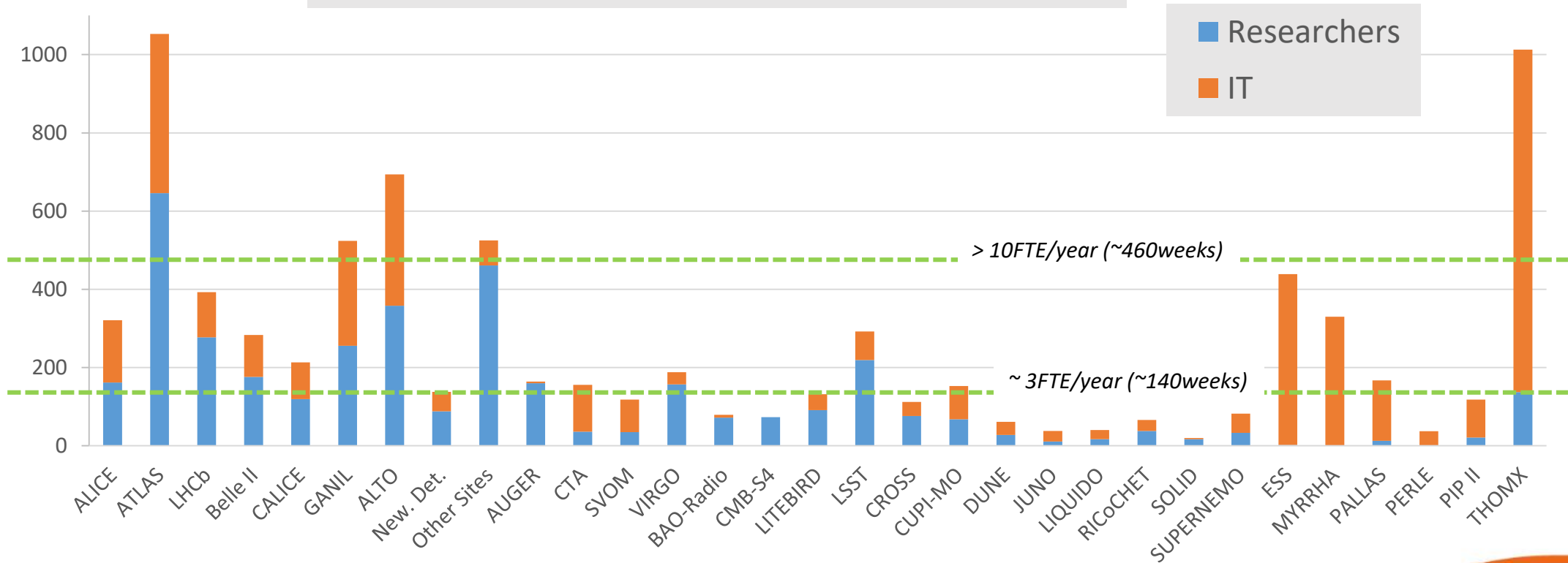


### **CAPTINNOV.**

Test bench white room for Detector characterization.  
Essential in the next years for *ATLAS ITK* and *HGTD*



## « Large » projets at IJCLab Numbers of people working on it



**IJCLab**  
Irène Joliot-Curie  
Laboratoire de Physique  
des 2 Infinis

**PERSPECTIVES TECHNIQUES  
à IJCLab**  
**23-29 septembre 2021**

[indico.ijclab.in2p3.fr/event/7358/](https://indico.ijclab.in2p3.fr/event/7358/)

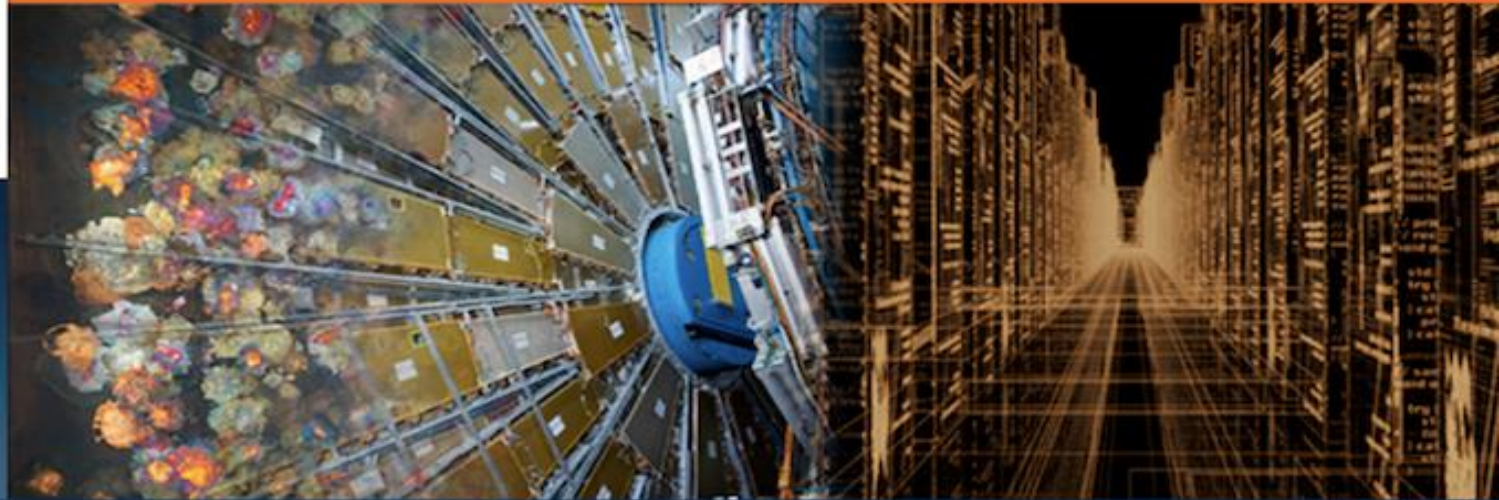
To present and discuss the technical R&D activities underway in the laboratory and their developments in the coming years.

4 half-days - 23/09/2021 - 29/09/2021

## To underline that 4 theses at Engineering pole are starting 1/10/2021

- Roméo Molina. « Configuration et contrôle de la précision du calcul, application aux mesures de rayonnements gamma de basse énergie. (Link with AGATA) - Vincent Lafage, David Chamont, Fabienne Jezequelle (LIP6, Jussieu).
- Sylvain Joubé « GPU et portabilité des performances - approches et application hétérogènes » - Hadrien Grasland, David Chamont, Joel Falcou (LISN).
- Roman Le Montagner « Subject related to FINK brocker and developement » - Julien Peloton
- Raphaël Gazzini « Mini-gamma /LiquidO techniques » - Anatael Cabrera and Giulia Hull [50% analysis / 50% instrumental]





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Bienvenu(e)s  
Bonnes Journées R&T !