# WELCOME TO THE IRÈNE JOLIOT-CURIE LABORATORY

# On IJCLab

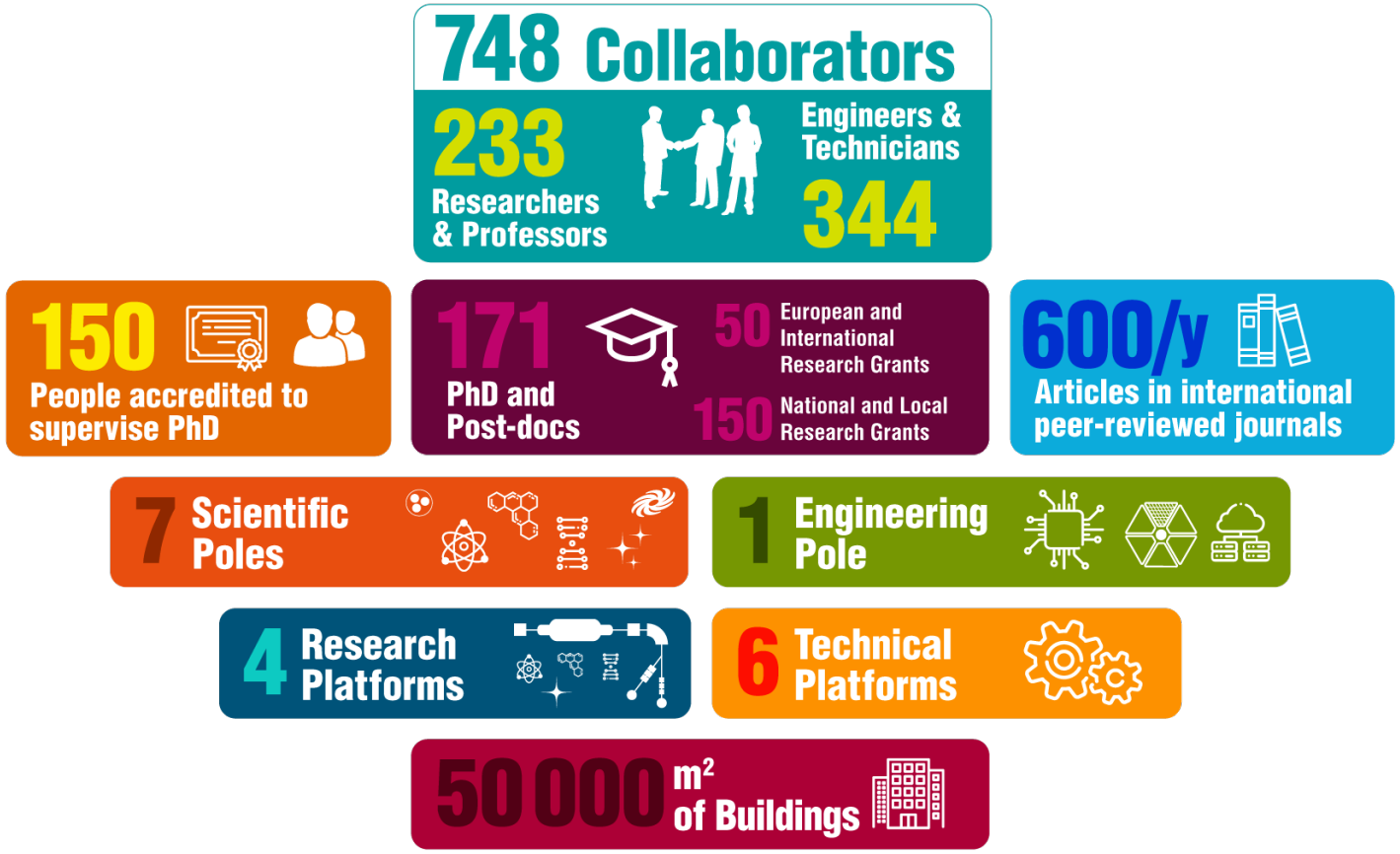
**Created in 2020**

**Merged 5 historical labs**

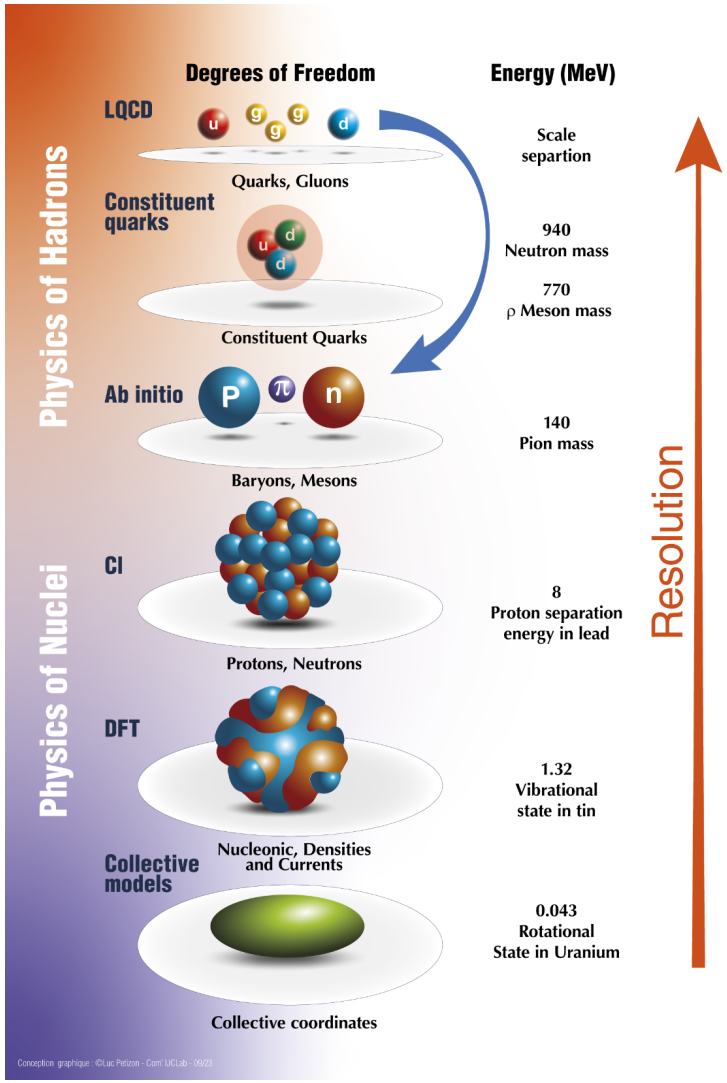
- IPN Orsay (Nuclear physics)
- LAL (Particle physics)
- CSNSM (Nuclear and material sciences)
- IMNC (Neurobiology and cancer research)
- LPT (Theoretical physics)

**Hosted on campus of**

université PARIS-SACLAY



# The nuclear theory team




**Roughly 1/3 of the Theory Pole**

**A large group**

- 9 permanent staff
- 1 emeritus
- 6 PhD students
- 4 postdocs

**Top floor of historical IPN build. (100)**

# The nuclear theory team

- **Nuclear interaction:** Effective Field Theory (EFT) based approaches, fundamental symmetries
- **Nuclear structure**: Ab initio methods, few-body systems, Energy Density Fuctional (EDF), clustering
- **Nuclear dynamics**: direct and compound reactions, transport, excitations, decays
- **Nuclear astrophysics**: neutrons stars, neutrino oscillations, evaluation of reaction rates
- **Interdisciplinary research:** open quantum systems, universality, quantum computing, …
- **Collaboration with experimentalists**: cross section interpretations, experiments, …

**A broad portfolio of methods and topics**

# Some logistical details

## Meals

**For invited speakers**

- Lunches downstairs (follow us)
- Cocktail dinner tonight build. 102

## Wifi

**Eduroam available!**

- Use IJCLab-Public as alternative

## Meeting rooms

**Available on theory floor (2XX)**

- Get in touch with us if in need!

## Reimbursements

**End of accounting year is near**

- Scan & send us your train receipts
- Do it by early next week please

# Acknowledgments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université PARIS-SACLAY | GRADUATE SCHOOL Physique


**Wishing you all a fruitful workshop!**