

Welcome to LAPP

GRASPA School 2026

Vincent POIREAU – LAPP director

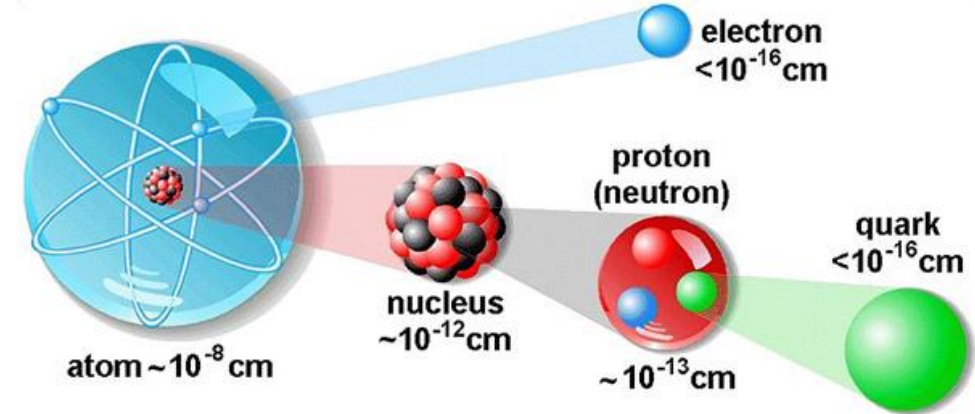
16 July 2026

- Created in **1976** (50 year anniversary)
 - 50 km from CERN
- Supported by **CNRS** and **University Savoie Mont-Blanc (USMB)**
- CNRS campus within **Annecy University Campus**
- **LAPP**
 - 160 people (permanent + non permanent)
 - 80 researchers
 - 80 engineers, technicians, and administrative teams
- Building hosting **LAPTh**
 - Lab for theoretical physics (50 people)



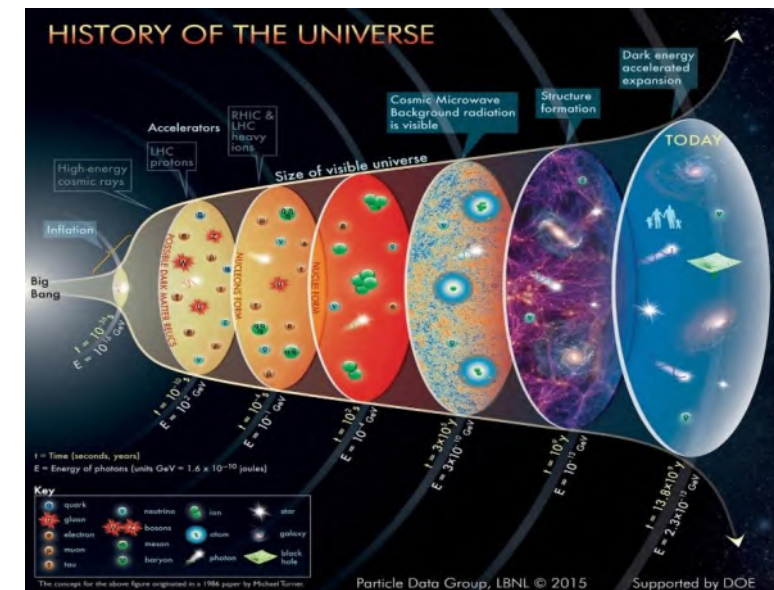
- **Particle physics**

- Elementary components of matter
- Fundamental interactions

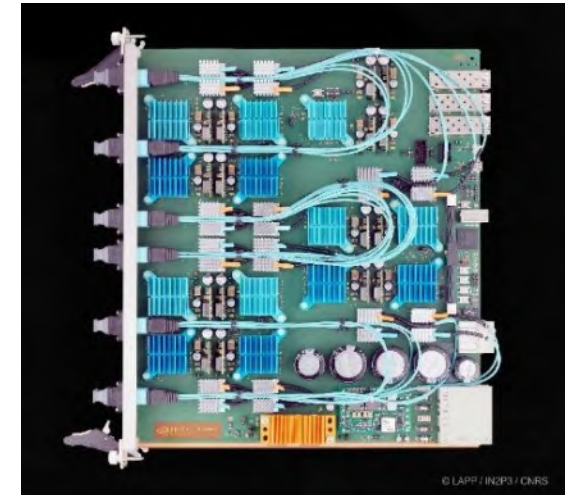


- **Astroparticle & cosmology**

- Violent phenomena in the Universe
- Composition of the Universe
- Messengers: photons, neutrinos, gravitational waves



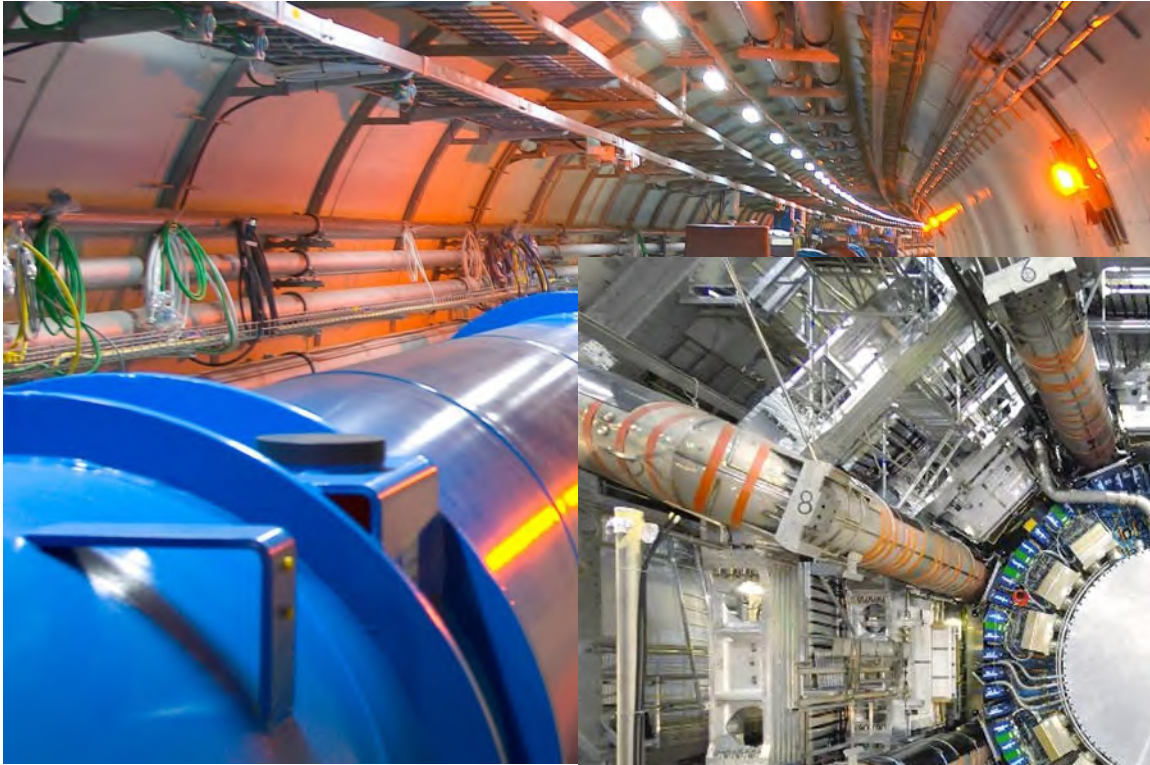
- LAPP contributes to **major experiments**, in large international **collaborations**
- Participation to **all stages**
 - R&D
 - Design
 - Construction
 - Commissioning
 - Operations
- Strong contribution to **data analyses**
 - Intense computing
 - Physics results!



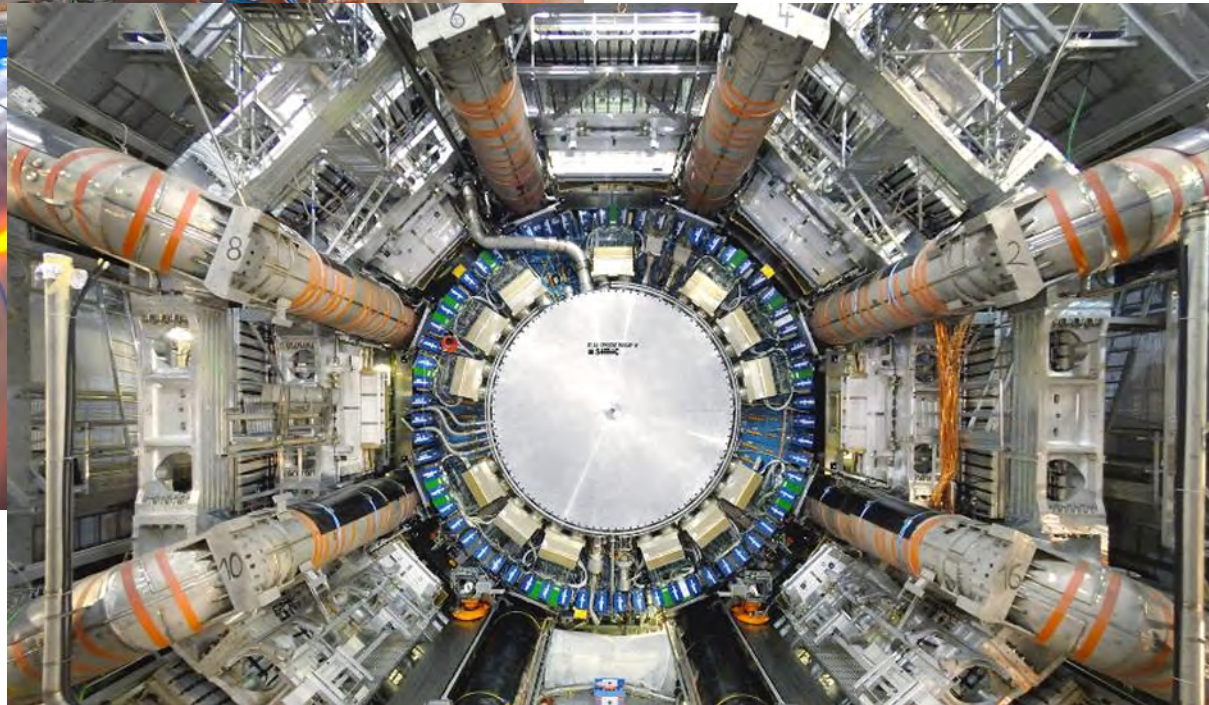
LHC – the accelerator



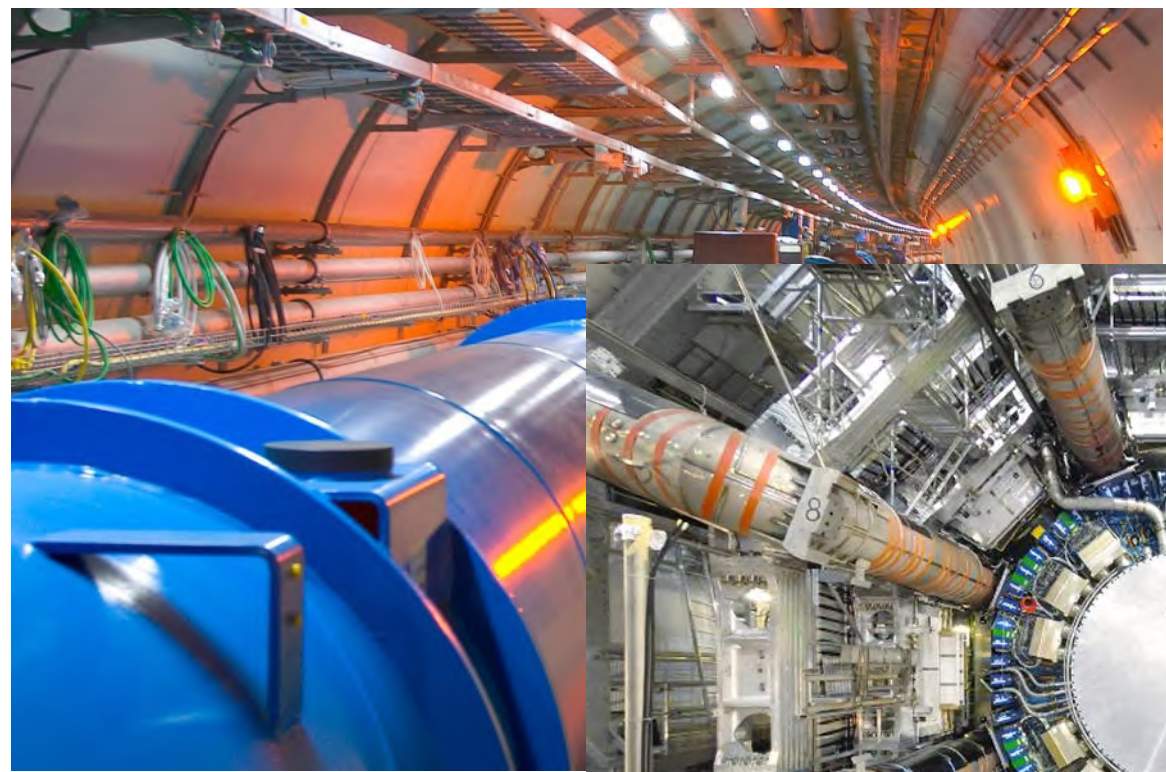
LHC – the accelerator



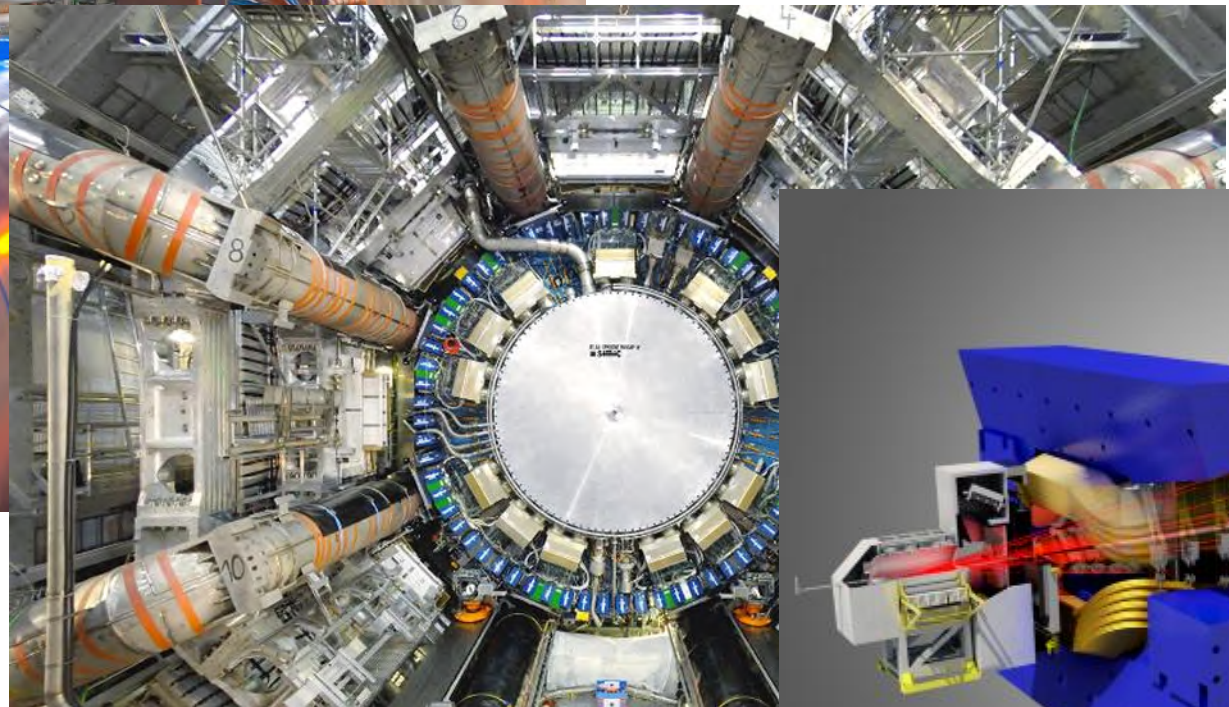
ATLAS



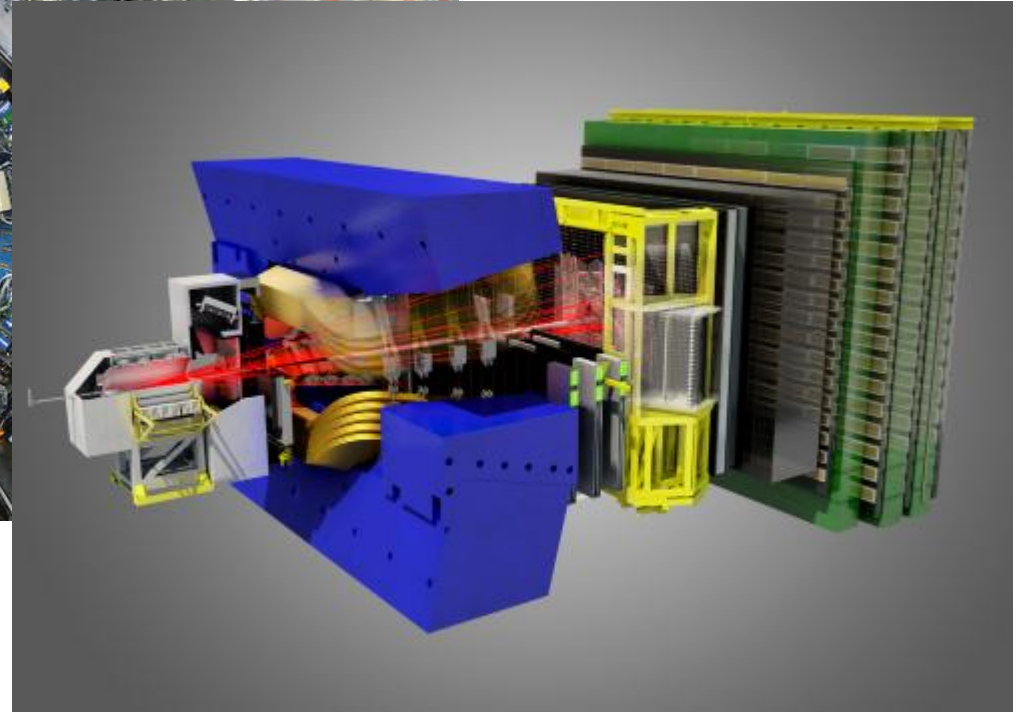
LHC – the accelerator



ATLAS



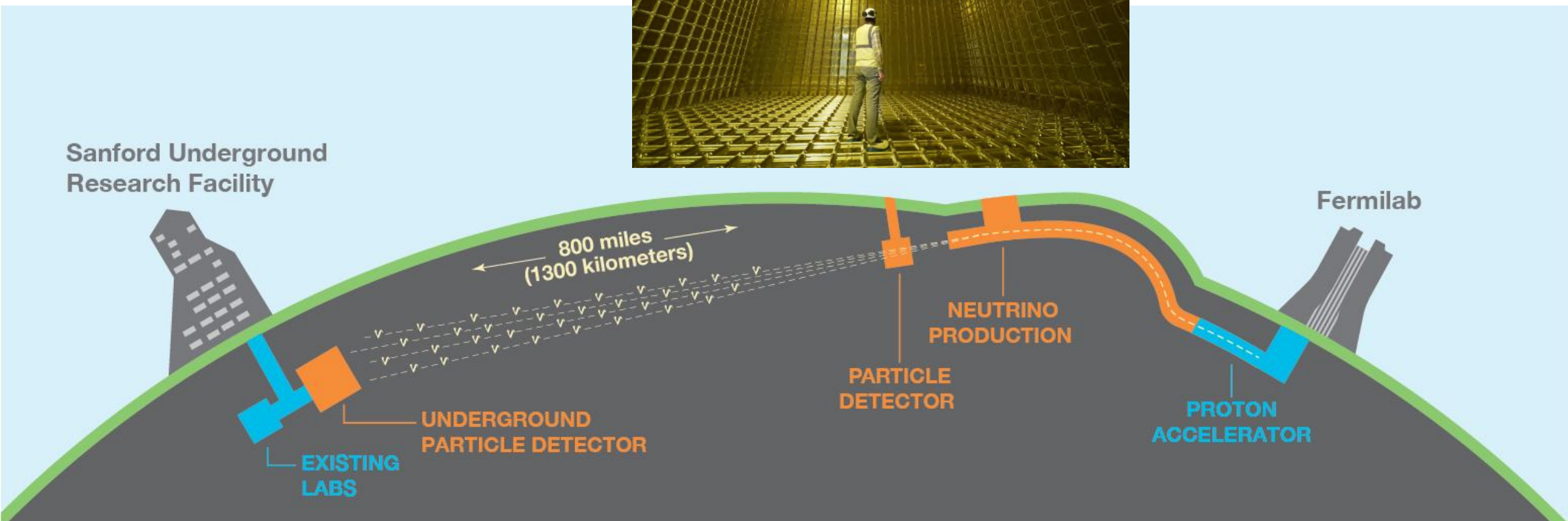
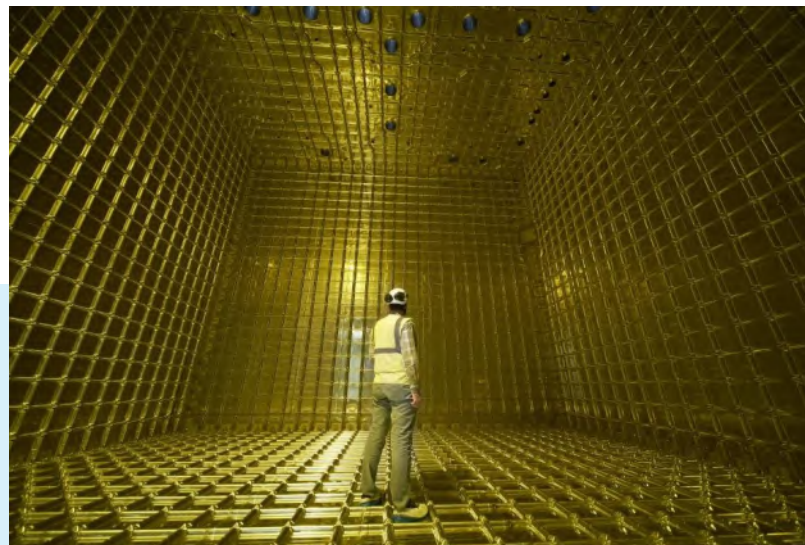
LHCb



After 2040, a new 91 km accelerator... a few km from LAPP!



After 2030 in US: study of neutrino properties



Gamma ray telescopes in Canary Islands and Chile



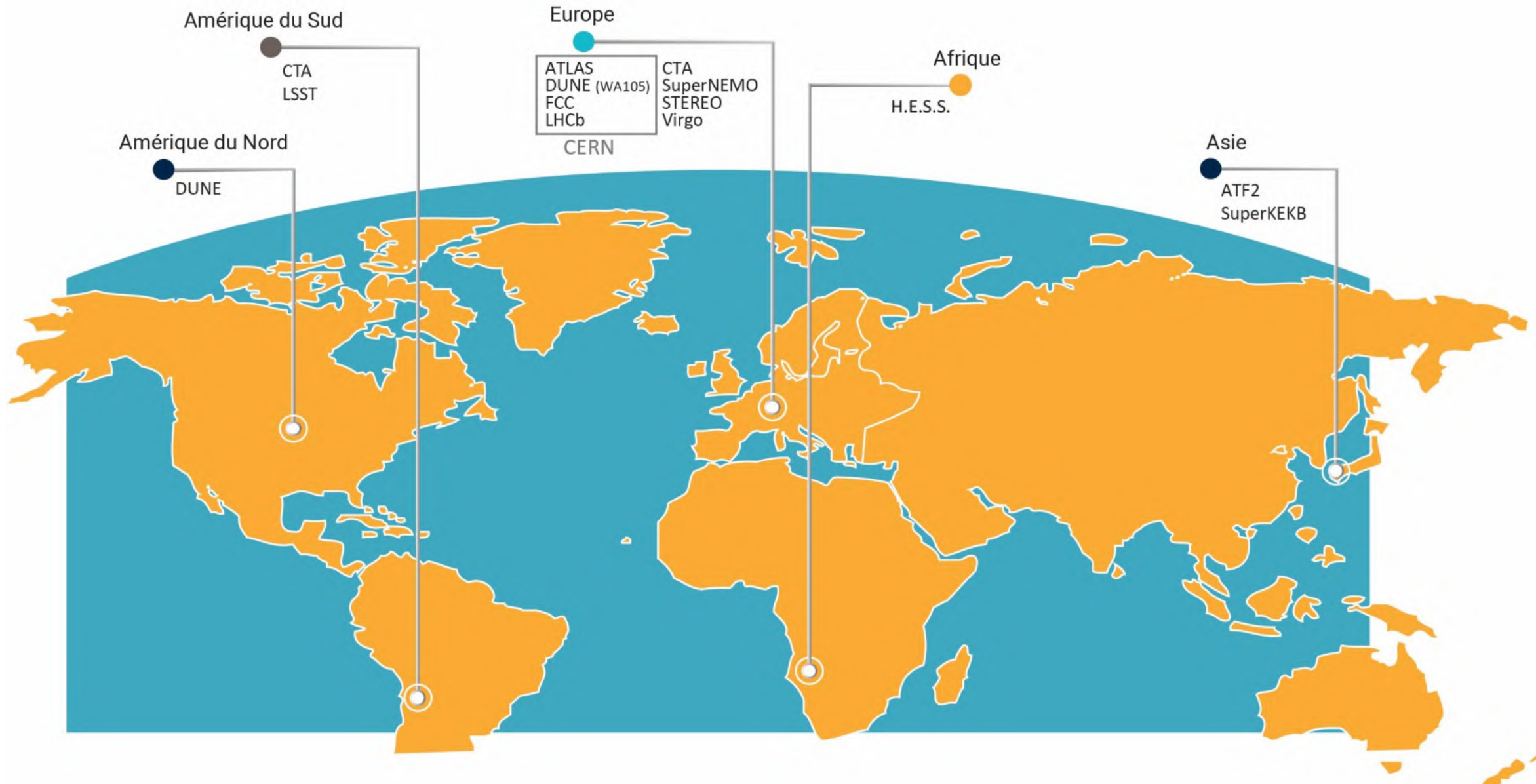
Optical telescope in Chile just starting taking data for 10 years



Gravitational wave interferometer taking data in Italy



And the future after 2040: Einstein Telescope



Enjoy the GRASPA school @ LAPP

Enjoy Annecy



30°

