



What does « CERN » stand for?

Elonospeilan Elonospeile froppour la Reccheache Recchéache





## What does « CERN » stand for?

European
Organization for
Nuclear
Research





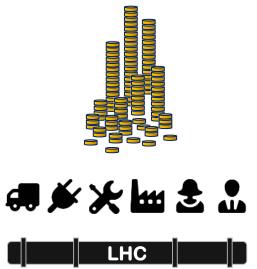




#### Member states



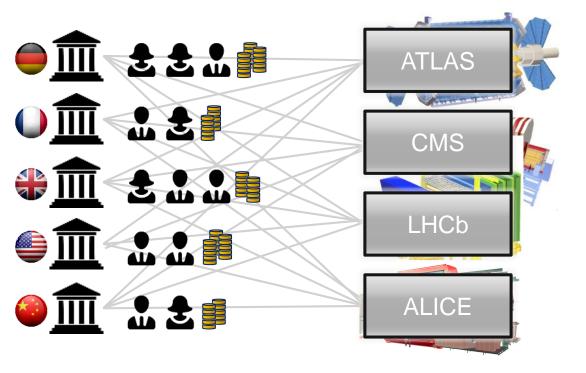
Ca 1 Bn CHF







### Collaborations





#### Global collaboration

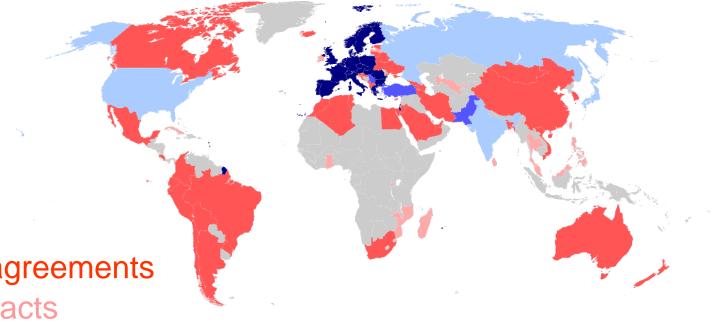
22 members

3 associates

5 observers

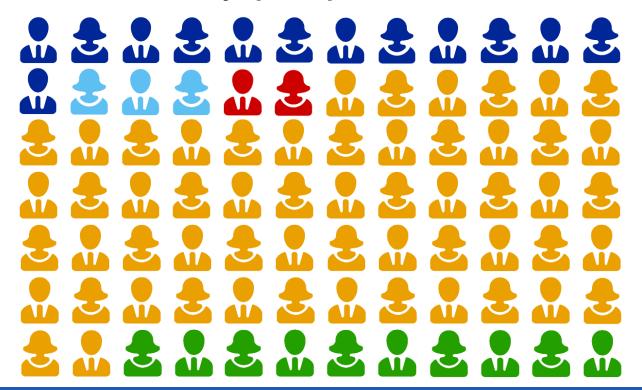
Cooperation agreements







### How many people?





2'500 staff

600 fellows & apprentices

500 students

11'000 users

2'000 external companies

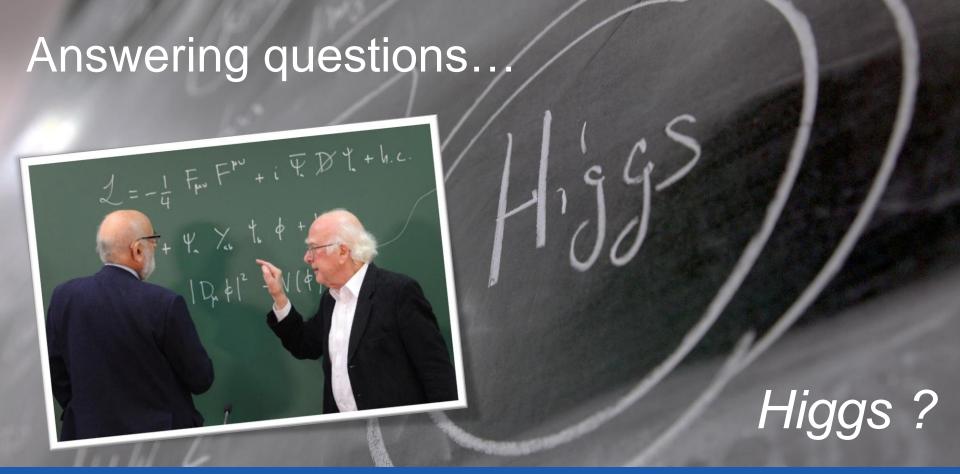
















Antimatter?



















# Accelerating and colliding



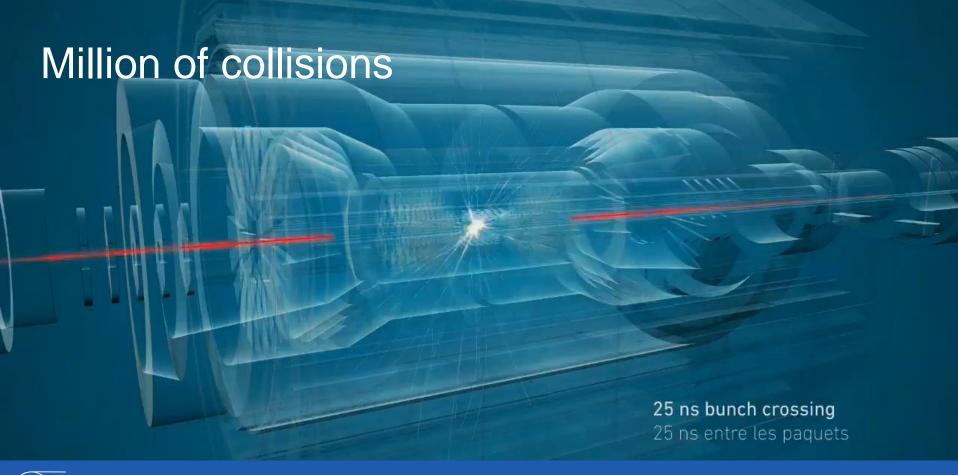


Φ= MDZ

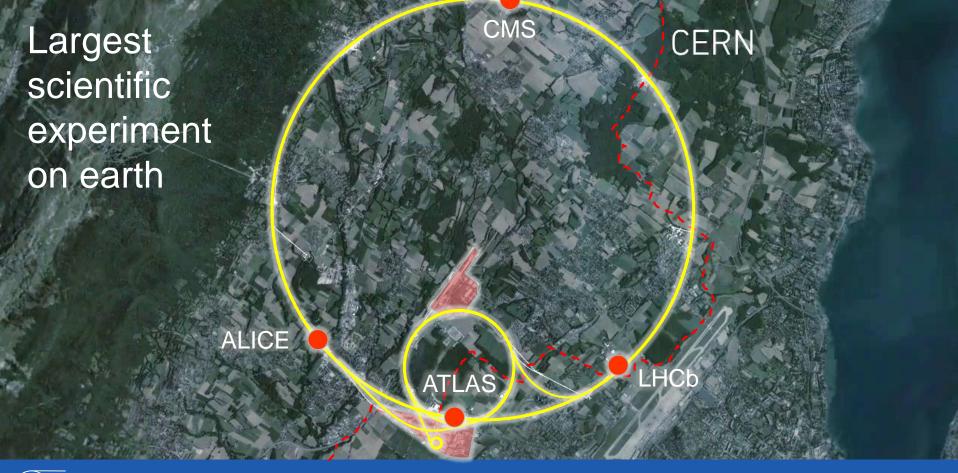
# Accelerators chain

















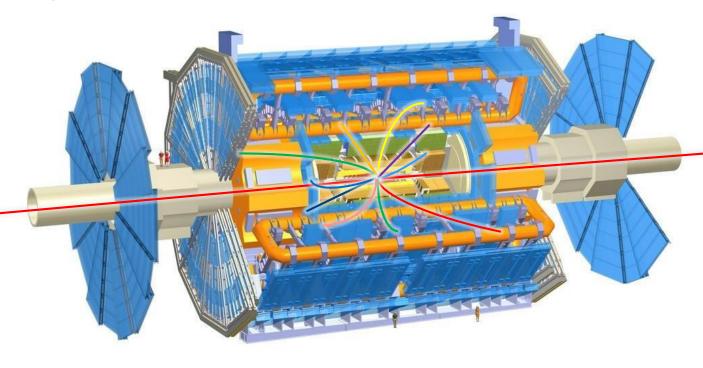








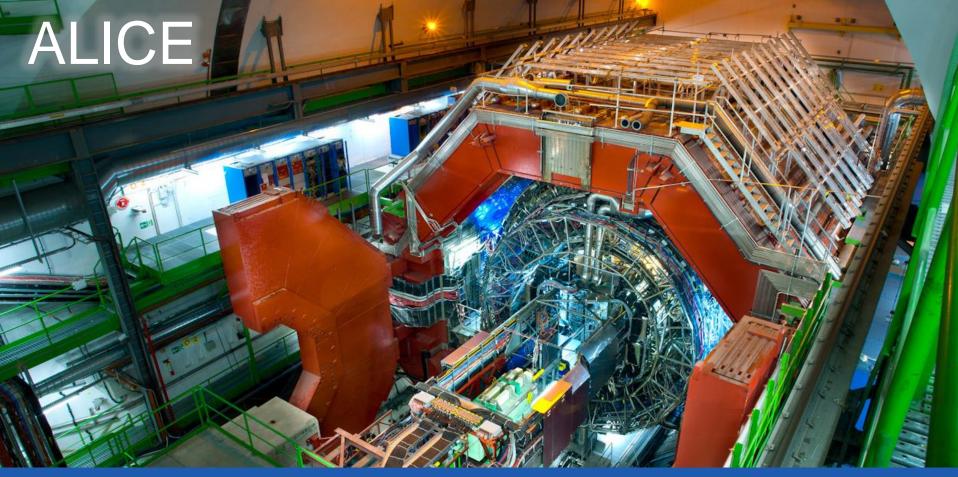
# The largest detectors





















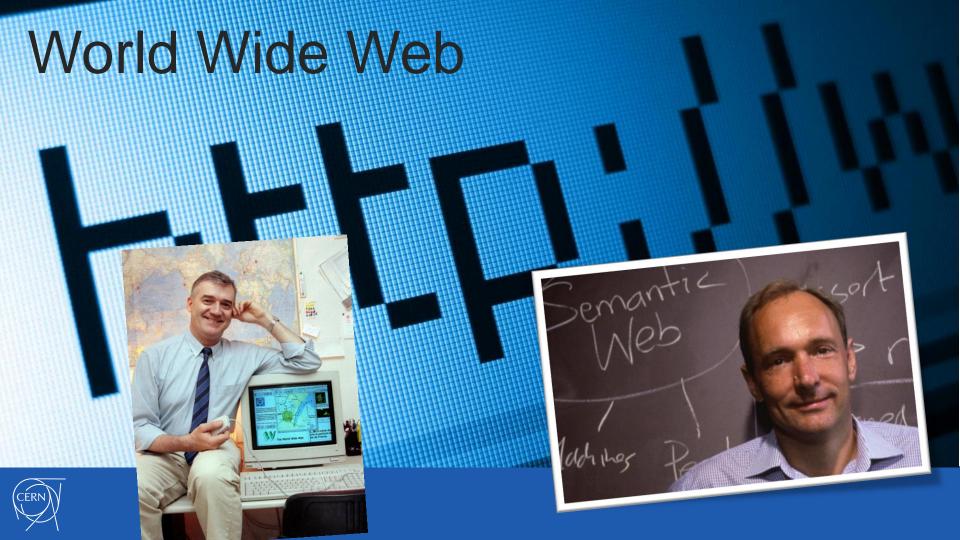
The largest computing grid



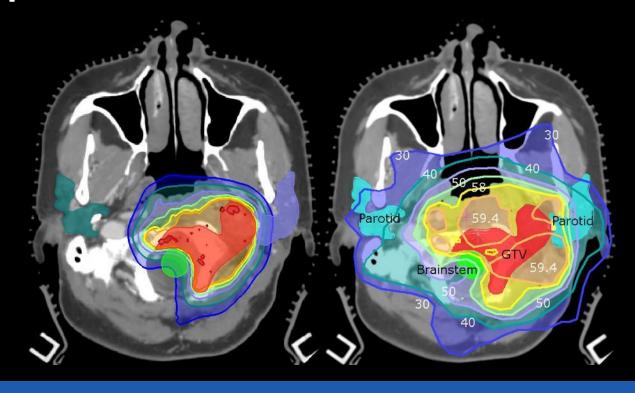




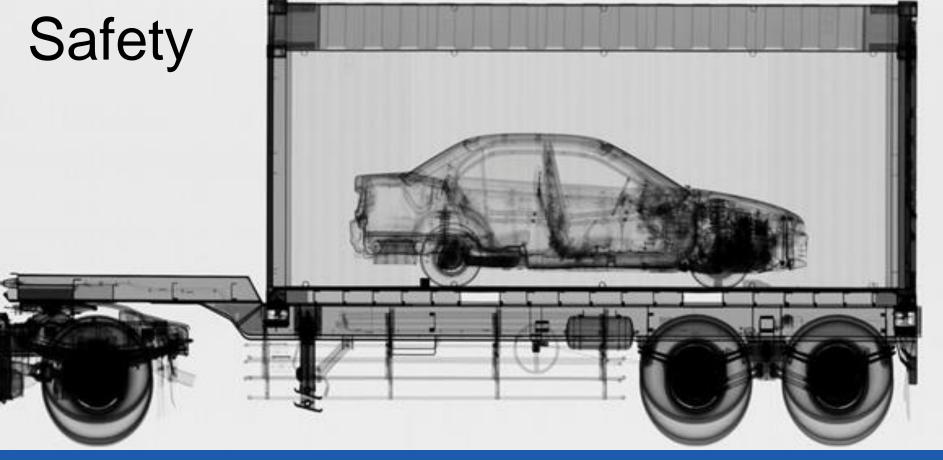




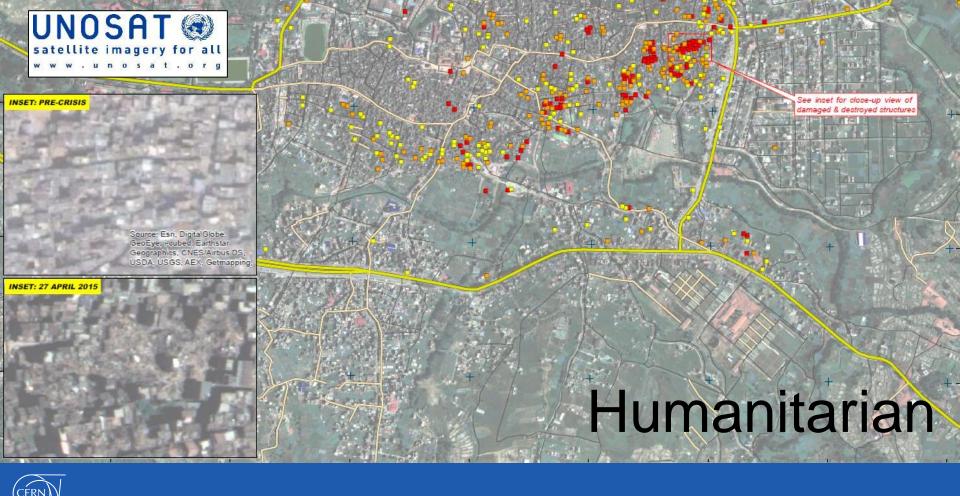
# Medical applications













### Future...?

·Compact Linear Collider (CLIC) / Future Circular Collider (FCC)



