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Conseil Européen pour la Recherche Nucléaire European Organization for Nuclear Research

What is the universe made of? How did it start?

Physicists at CERN are seeking answers, using some of the world's most powerful particle accelerators







The twenty two Member States of CERN

Member States (date of accession)

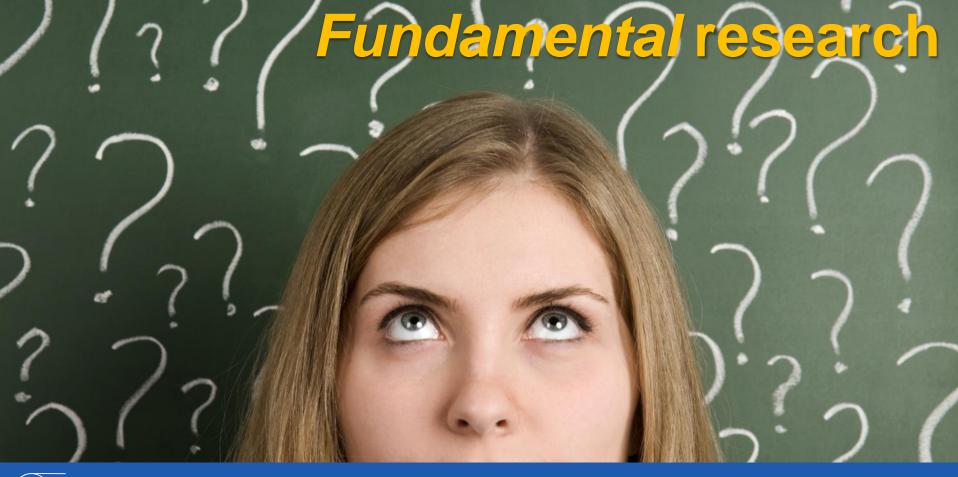






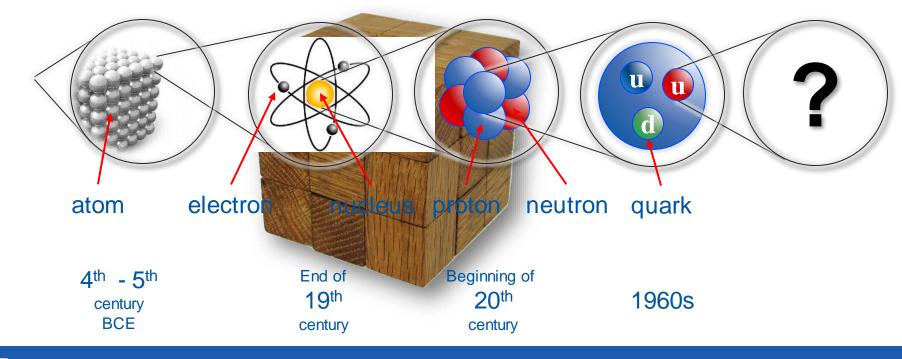




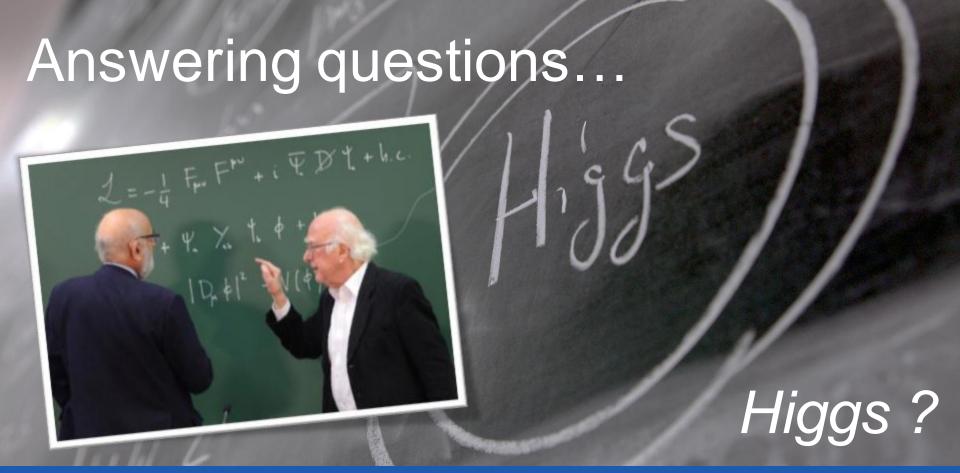




What is the matter made of?









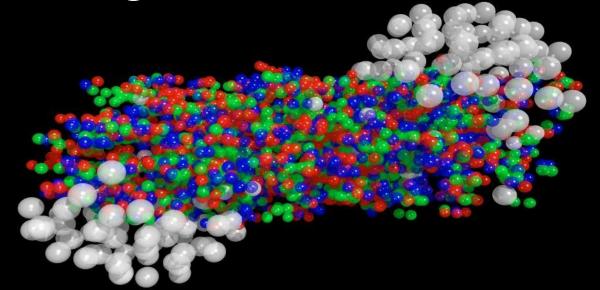
Answering questions...



Antimatter?



Answering questions...



Quark-gluon plasma?















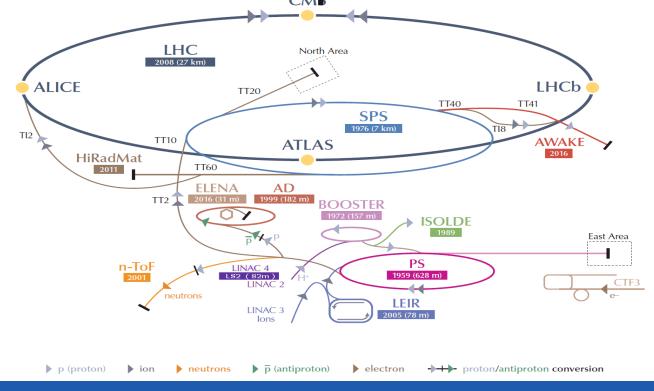




Accelerating and colliding



Accelerator Complex



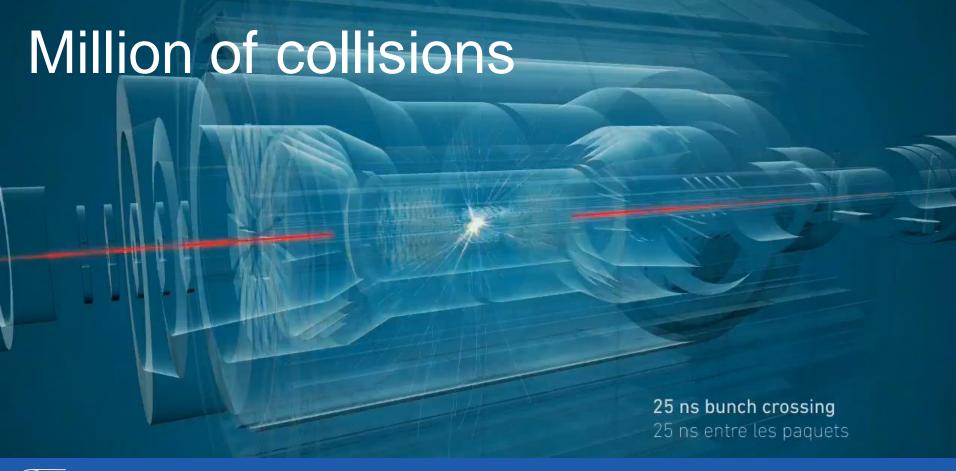


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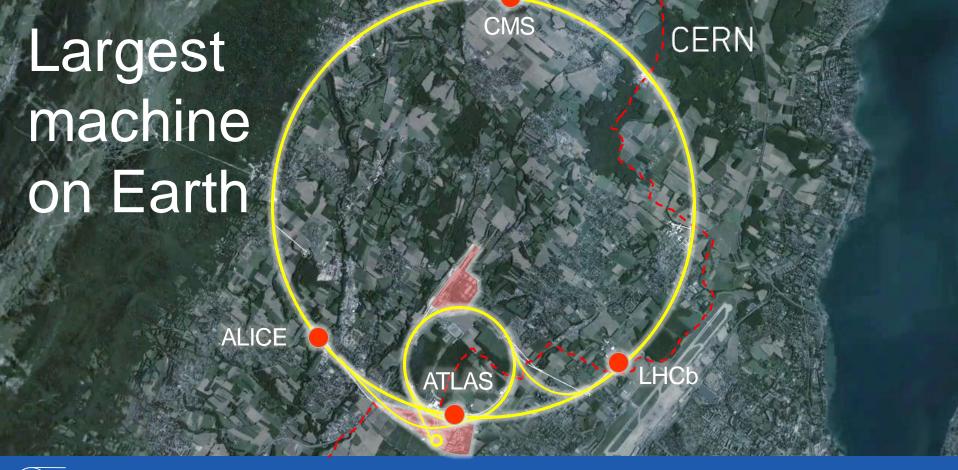
Accelerators chain



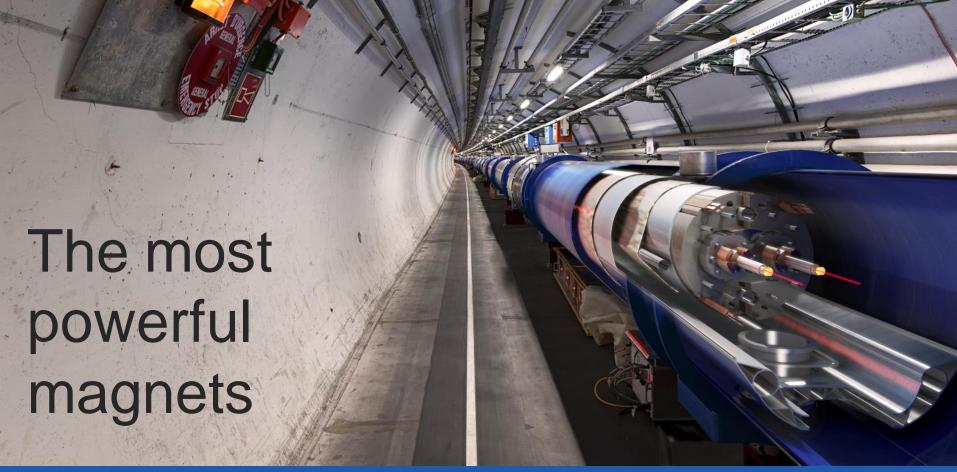














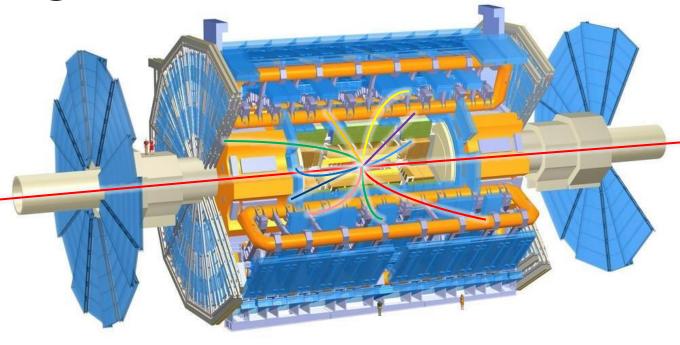




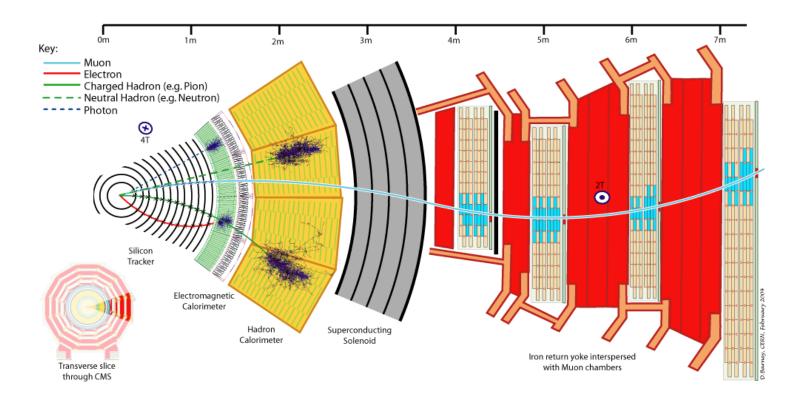




The largest detectors



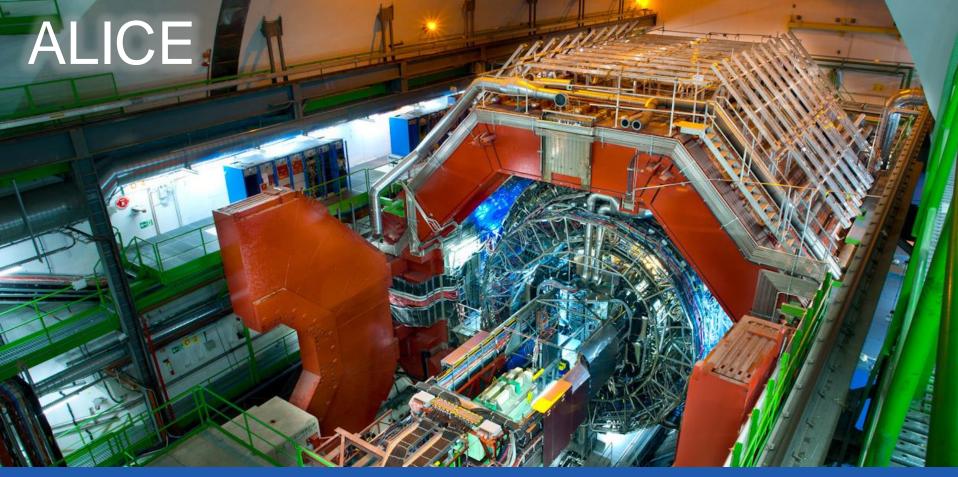














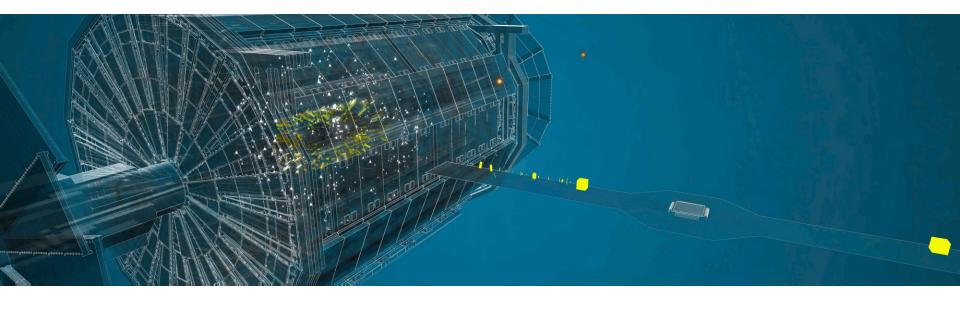








Data Production - Trigger





Event reconstruction - Storage



The largest computing grid









Personal stories

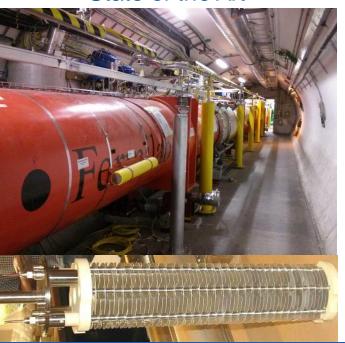


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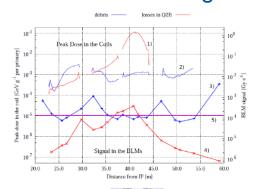
Beam Loss Monitors

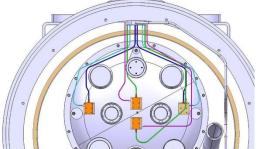


State of the Art



Simulation & Design





Installation





Beam Loss Monitors



SW / HW Development

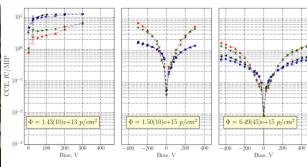


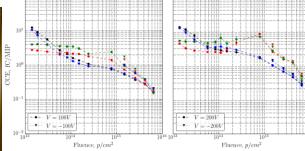
Irradiation Test





Results



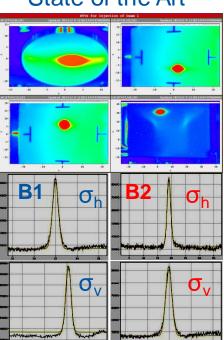




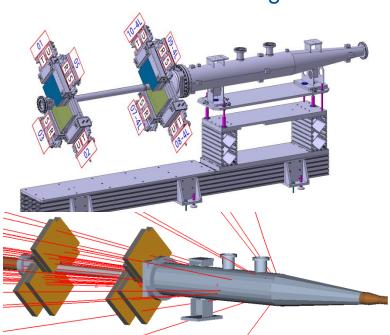
Beam Profile Monitors



State of the Art



Simulation & Design

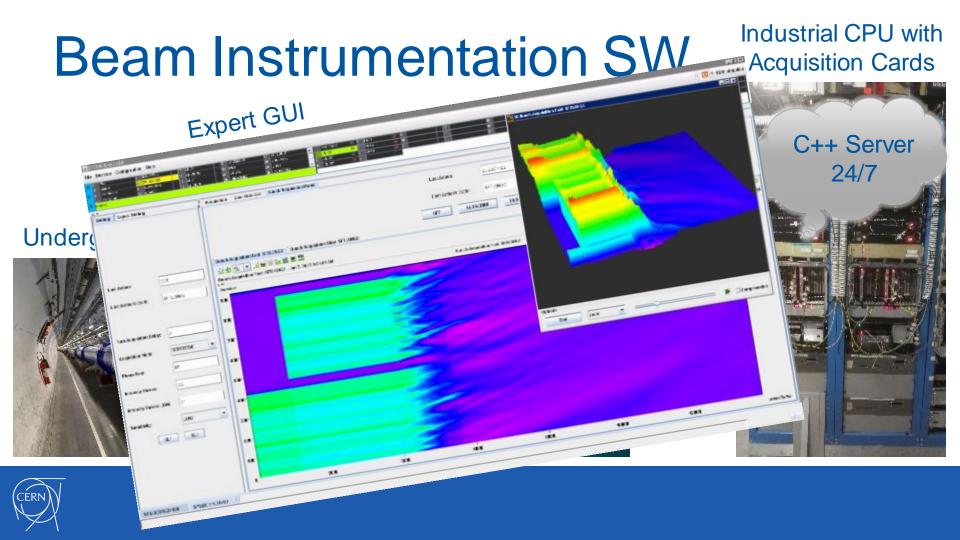


Installation

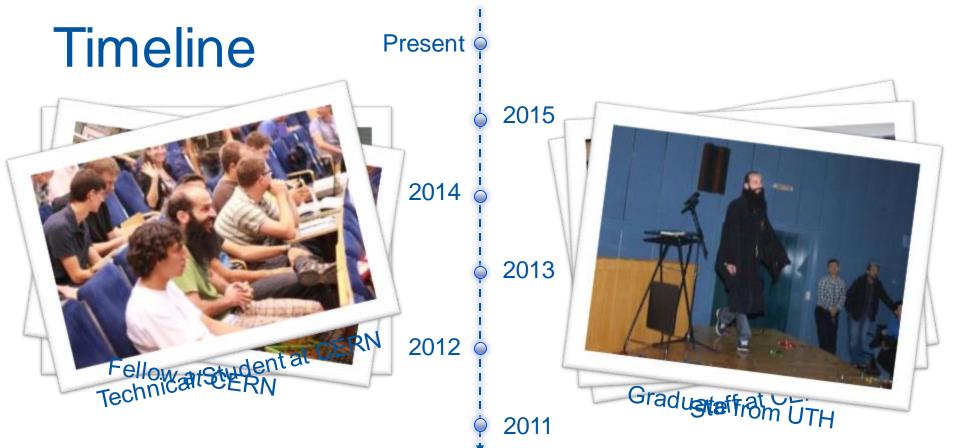














Diploma thesis: a ticket to start careers

Add some Olives to your coffee: A Java-based GUI for the Octobus system.

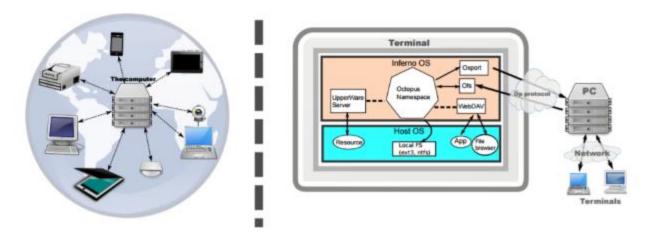


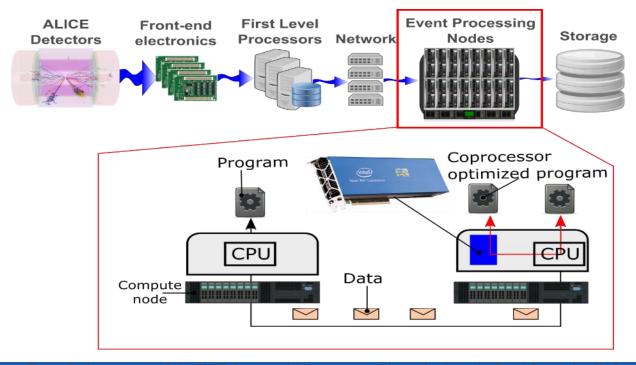
Figure 1: Various terminal resources connect to the central PC and export resources.







My work at CERN





About Me



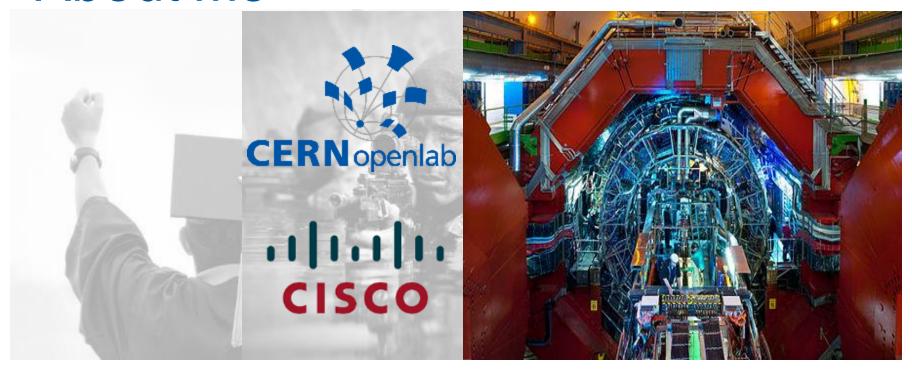


About Me



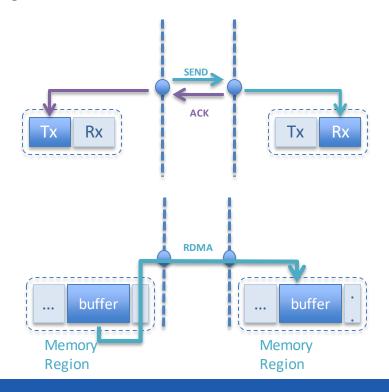


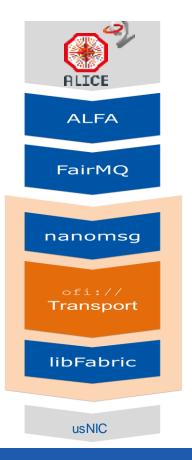
About Me





My work at CERN







My advice











Acknowledgements

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- François Briard for the slides
- Beams Instrumentation group (BI)
- CERN openlab the ICE-DIP project and Cisco



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Backups



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Medical applications

