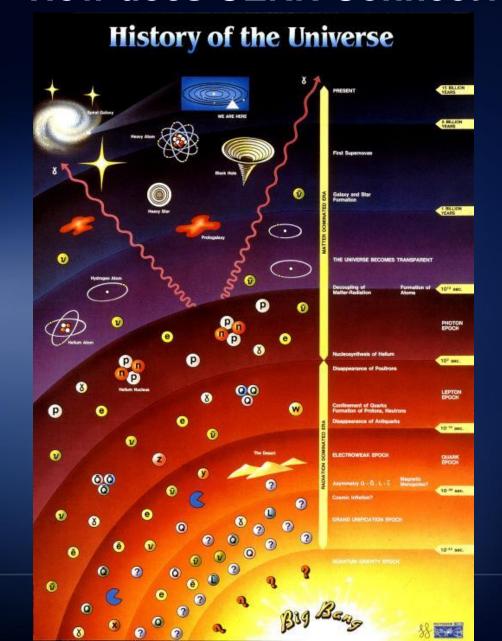
Big Bang & Parallel Worlds: Connecting the Micro and Macro

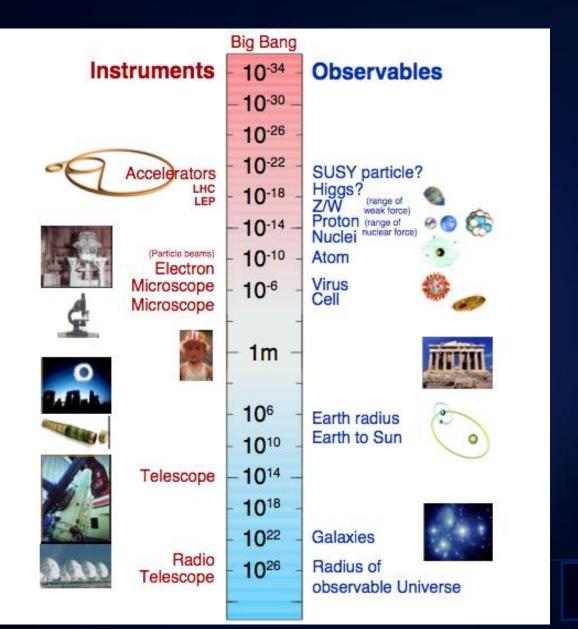
About CERN, Physics, and Innovation

CBI Fusion Point, September 10, 2019
Markus Nordberg (CERN)

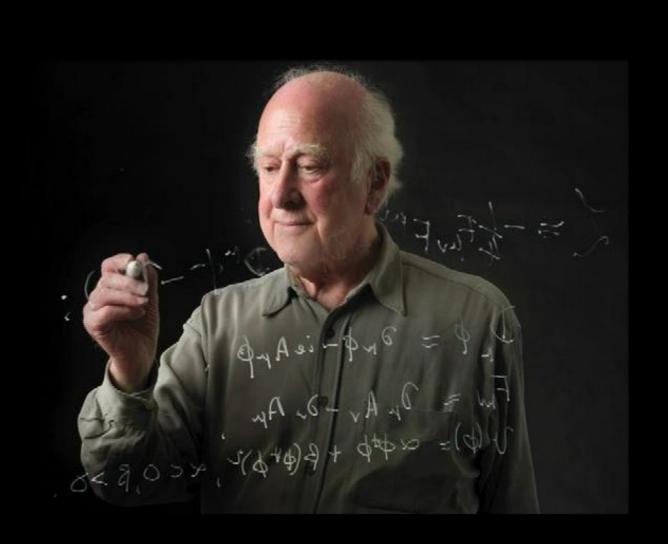
How does CERN Connect?



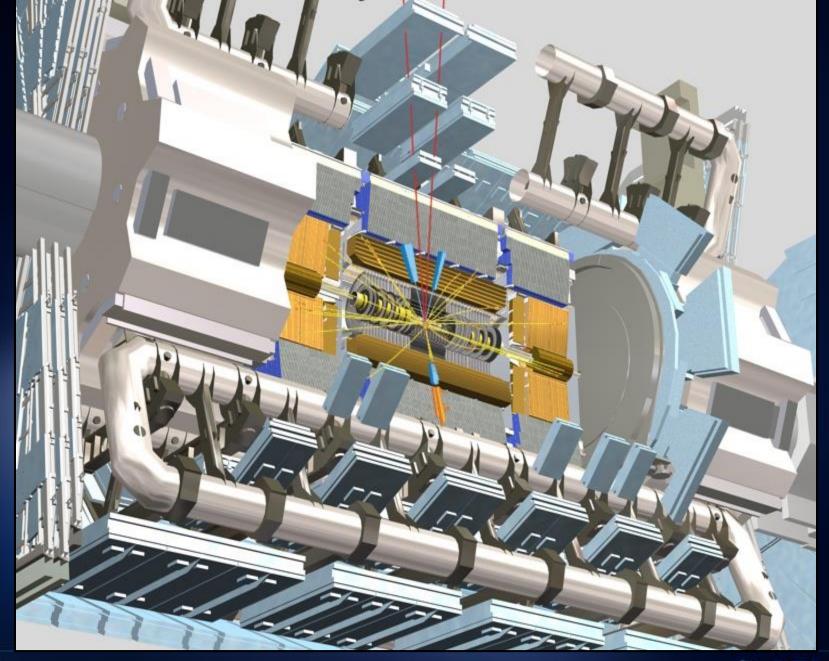
How does CERN Measure?



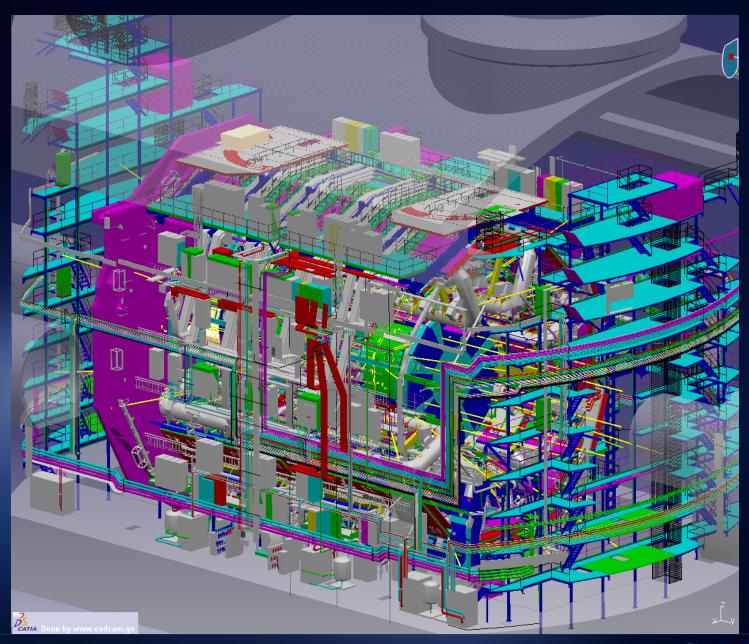
Where do we start?



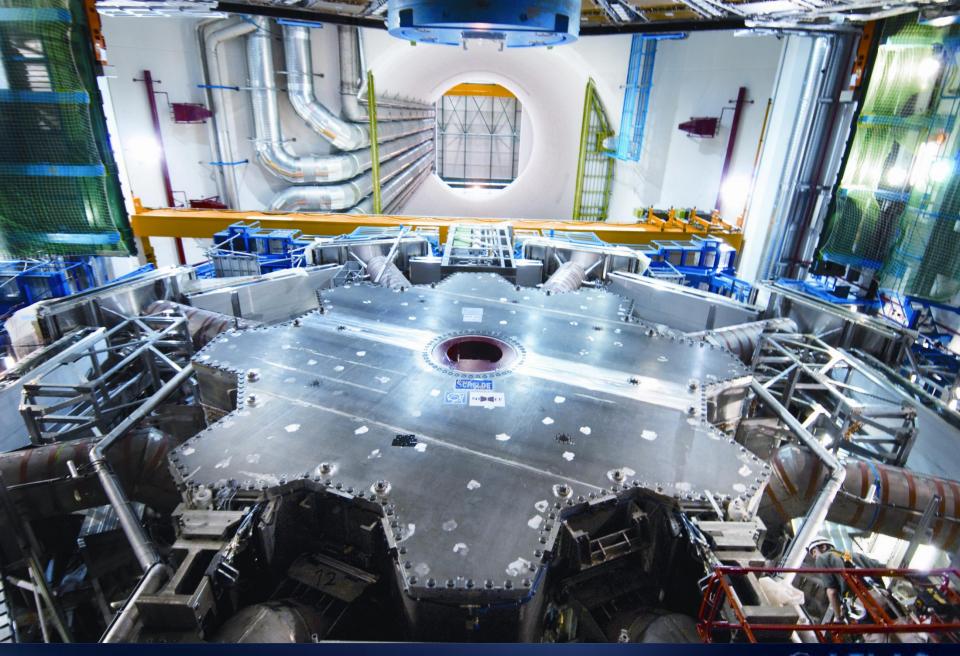








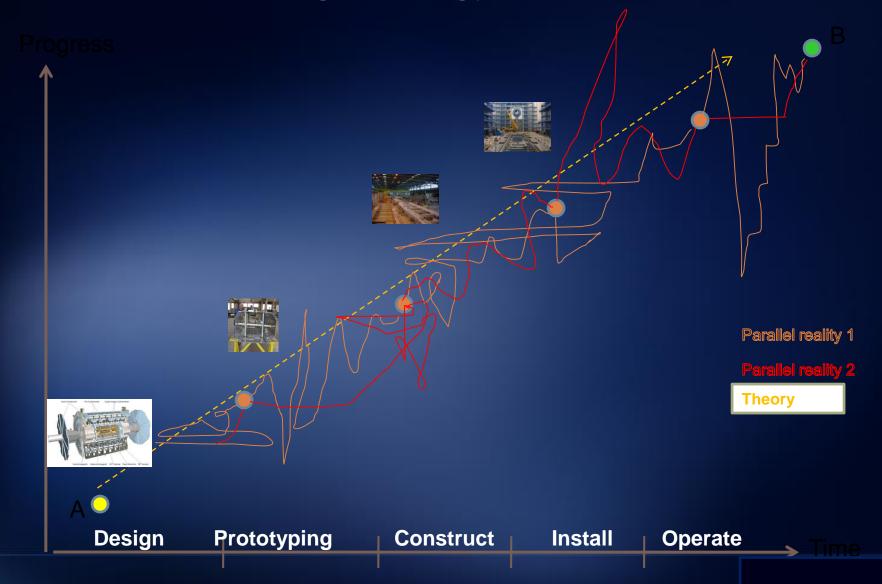




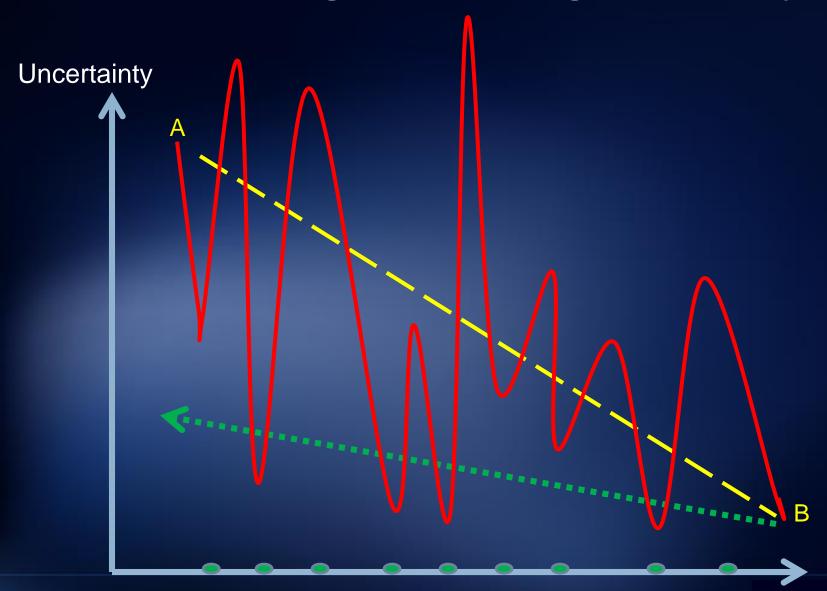


Implementing Strategy is Not Linear

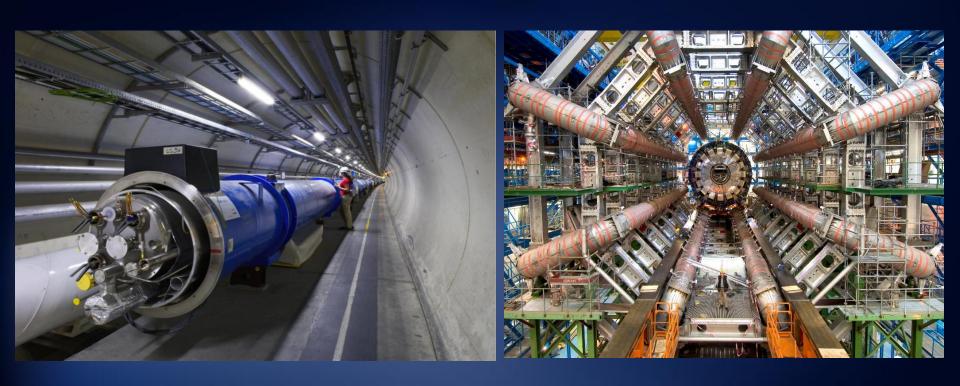




Absorbing vs. Reducing Uncertainty



Seeing the Micro needs the Macro (scopes)







CERN was founded 1954: 12 European States Today: 23 Member States

- ~ 2600 staff
- ~ 1800 other paid personnel
- ~ 13 600 users
- Budget (2019) ~1200 MCHF

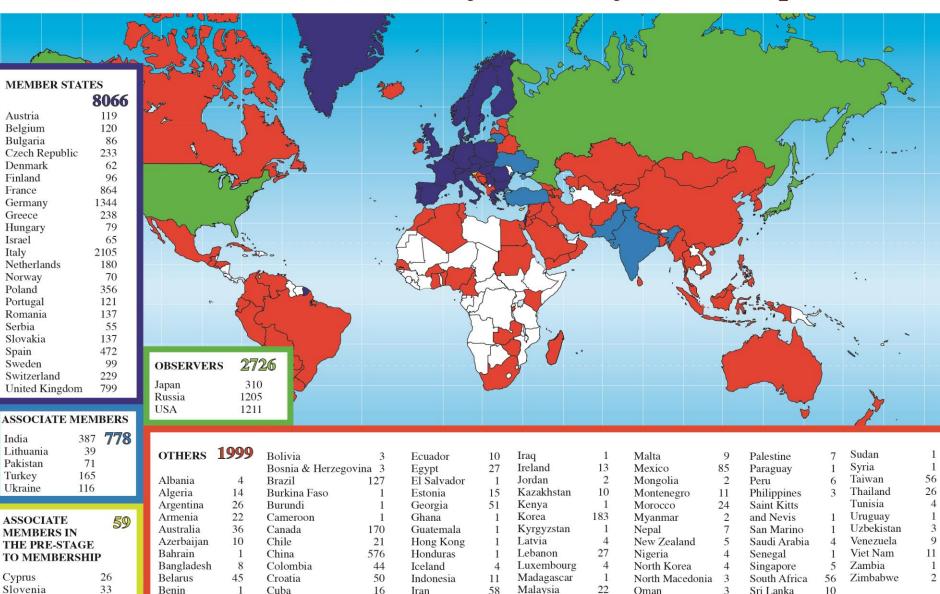


- 23 Member States: Austria, Belgium, Bulgaria, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.
- 7 Associate Members: Cyprus, , India, Lithuania, Pakistan, Slovenia, Turkey, Ukraine.
- 6 Observers to Council: Japan, the Russian Federation, the United States of America, Turkey, the European Commission and Unesco



A Global Reach

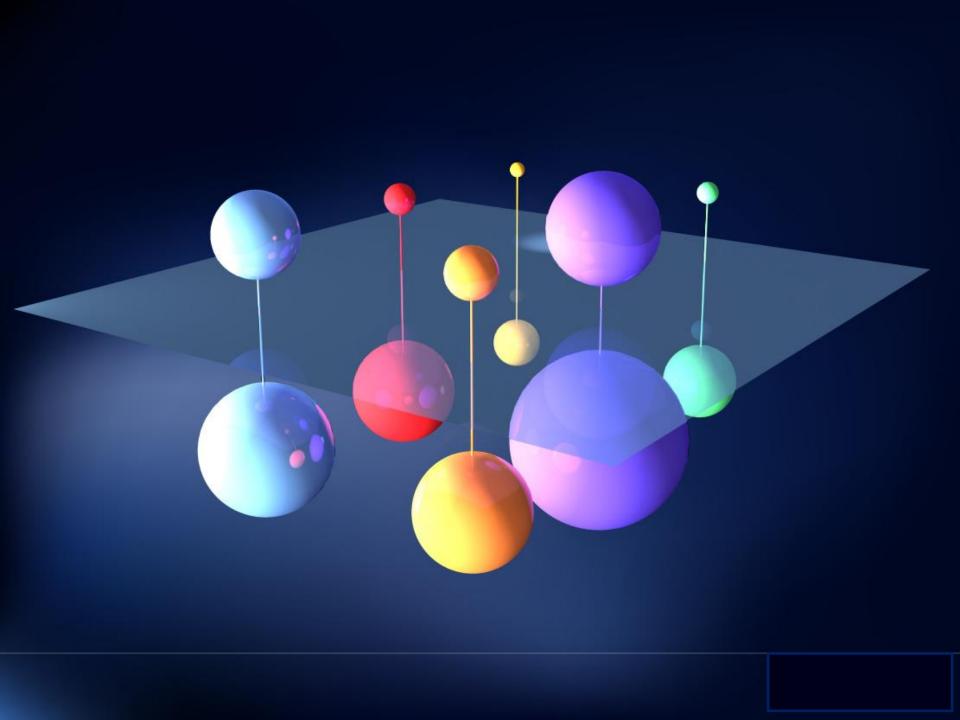
Distribution of All CERN Users by Nationality as of mid-April 2019



(How) Do We Manage This?

1. Vision 2. Connitment 3. Tolerance

















What do you see differently?