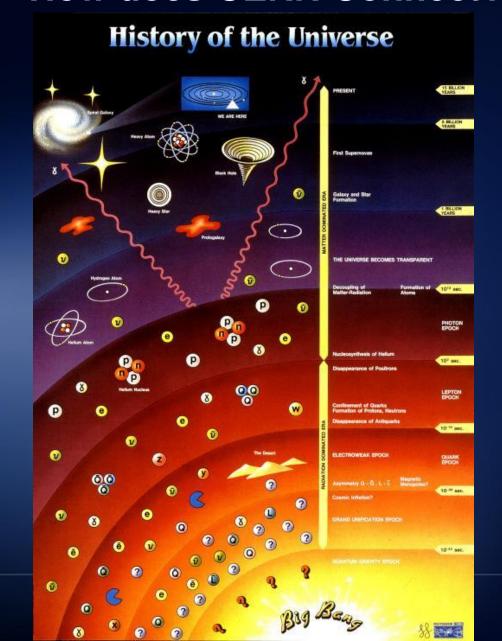
Parallel Worlds: Connecting the Micro and Macro

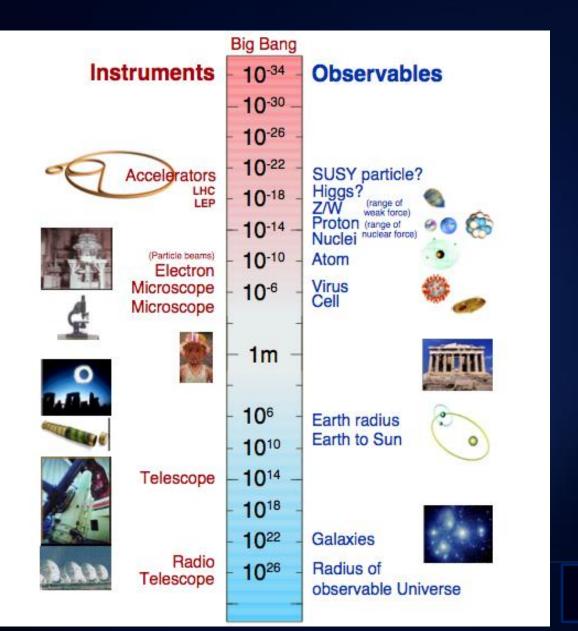
About CERN, Physics, and Innovation

ATTRACT Young Winning Team, September 24, 2018
Markus Nordberg (CERN)

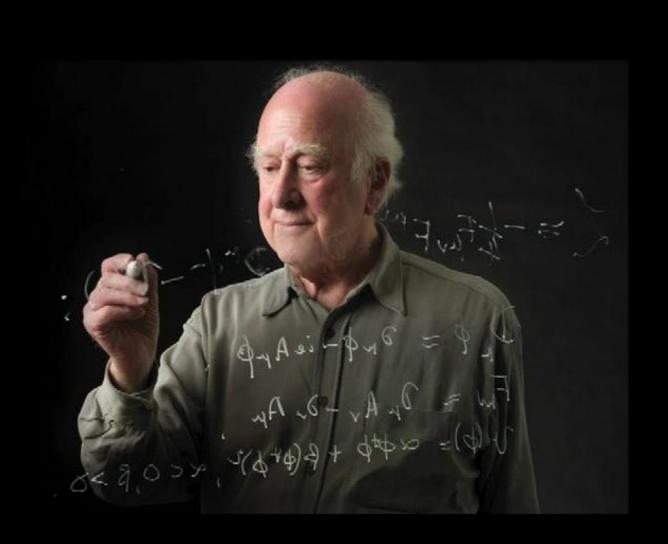
How does CERN Connect?



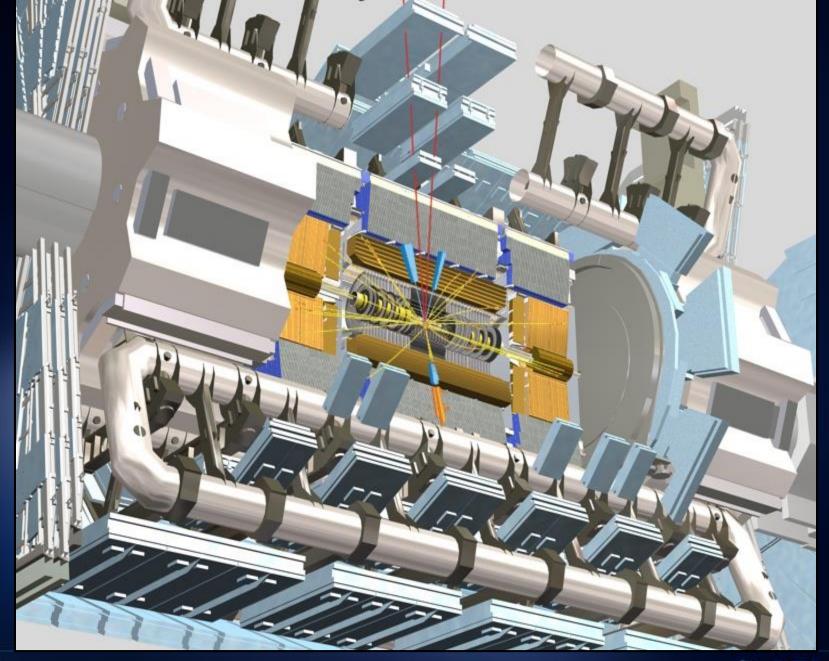
How does CERN Measure?



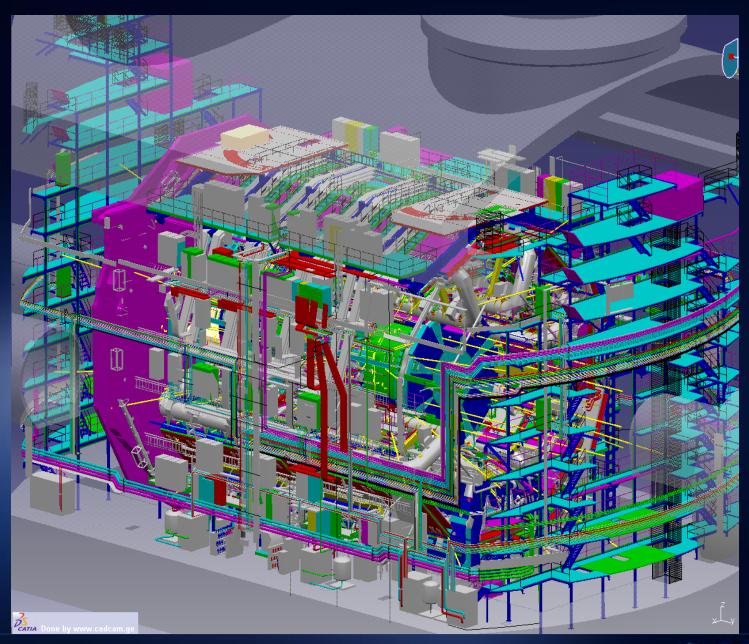
Where do we start?



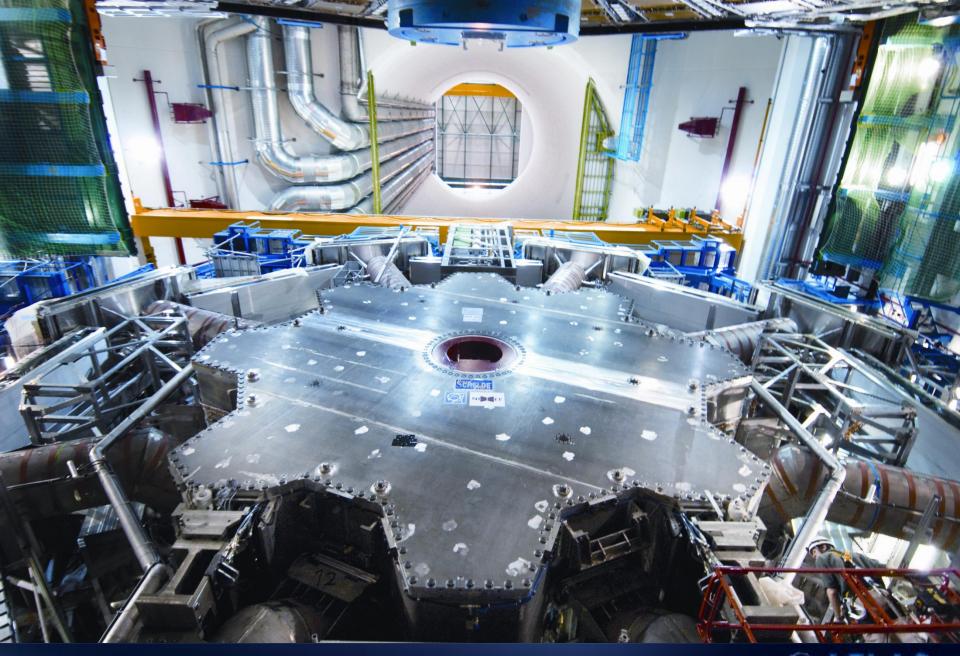








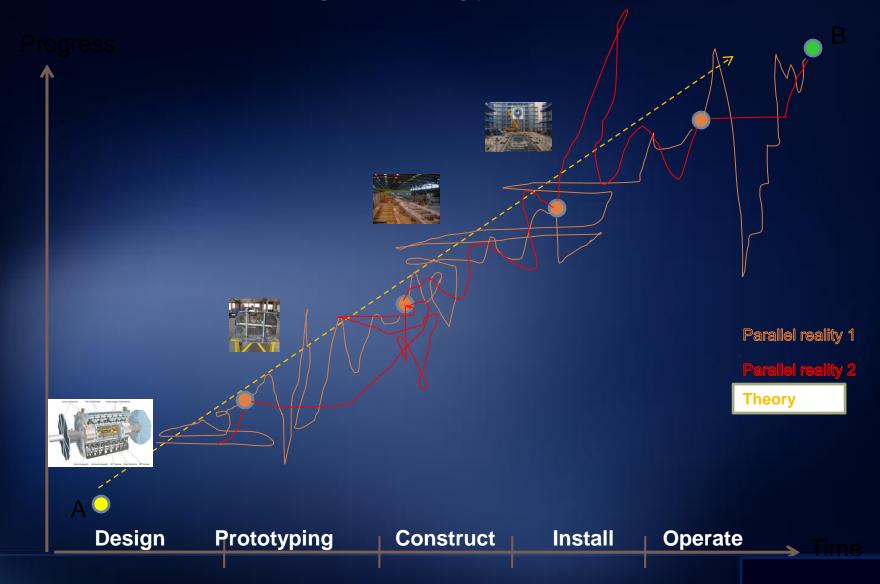




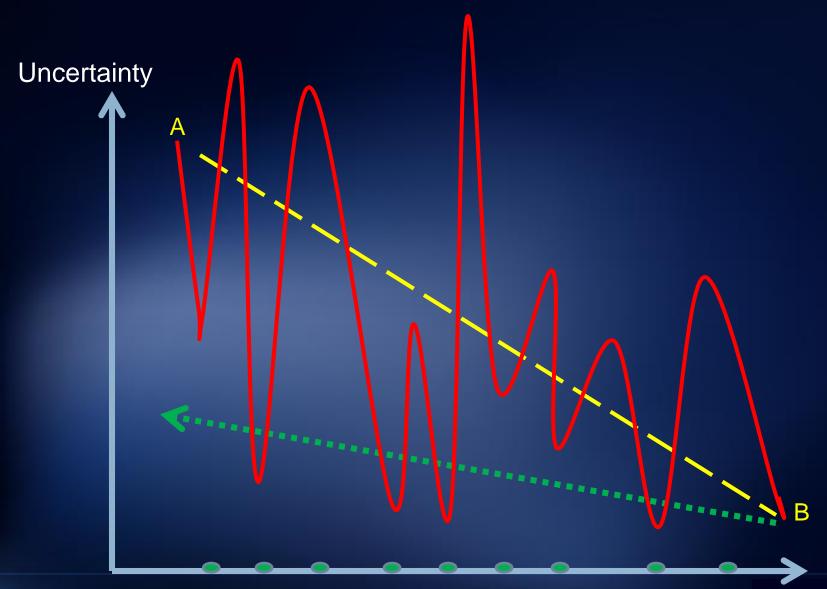


Implementing Strategy is Not Linear

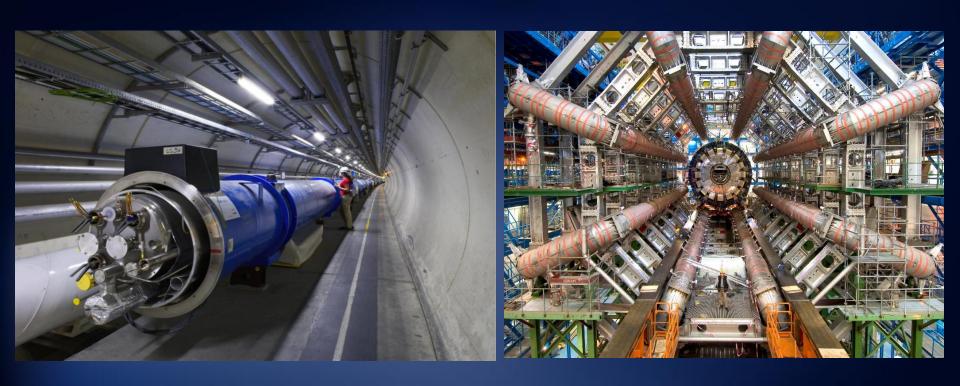




Absorbing vs. Reducing Uncertainty



Seeing the Micro needs the Macro (scopes)







CERN was founded 1954: 12 European States **Today: 22 Member States**

- ~ 2300 staff
- ~ 730 other paid personnel
- ~ 12 000 users
- Budget (2017) ~1000 MCHF



- 2 Candidate for Accession to Membership of CERN: Cyprus, Serbia
- 8 Observers to Council: India, Japan, the Russian Federation, the United States of America, Turkey, the European Commission and Unesco

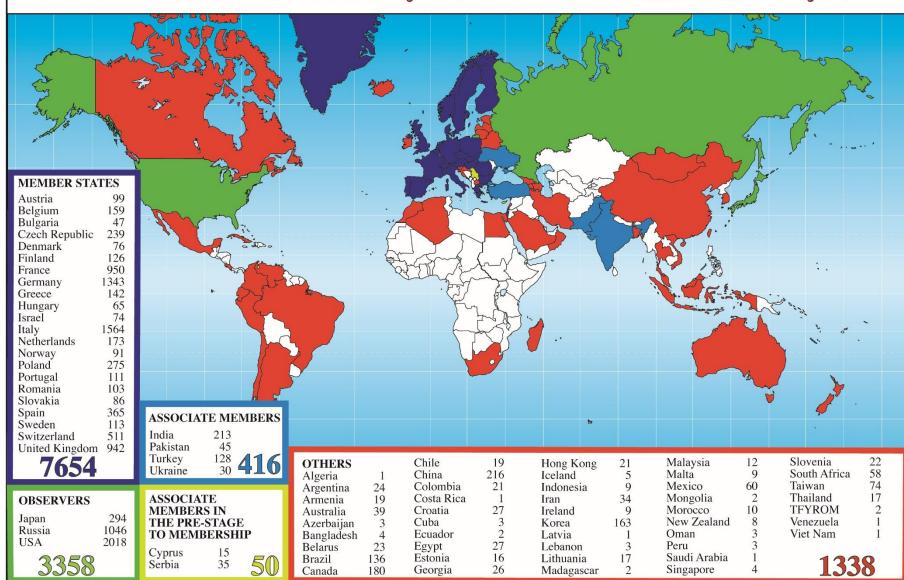






A Global Reach

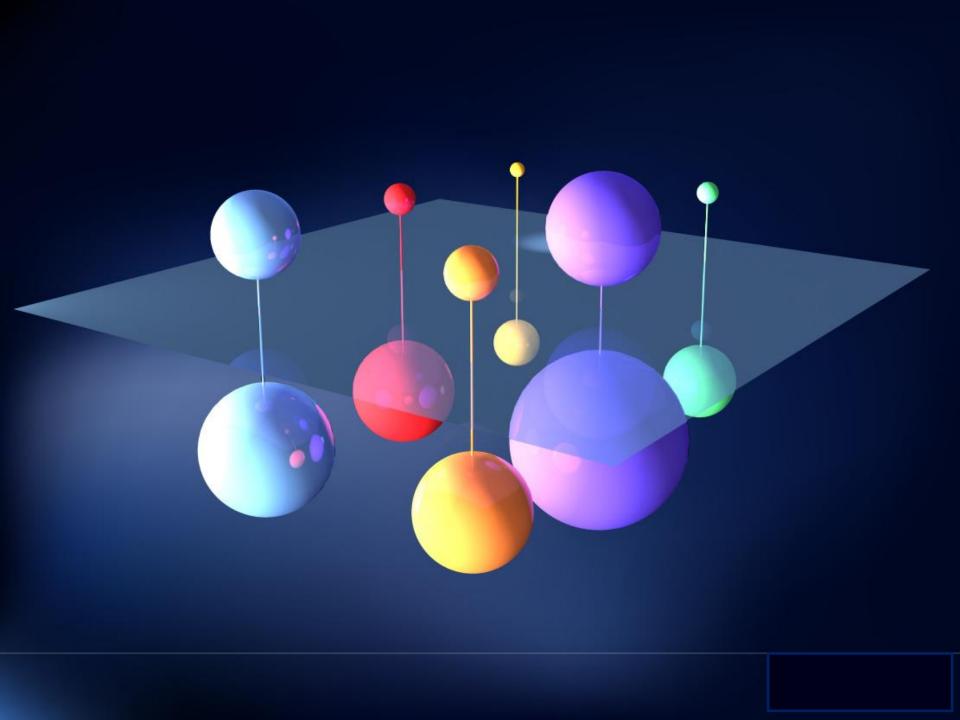
Distribution of All CERN Users by Location of Institute on 12 January 2017



(How) Do We Manage This?

1. Vision 2. Connitment 3. Tolerance



















What do you see differently?