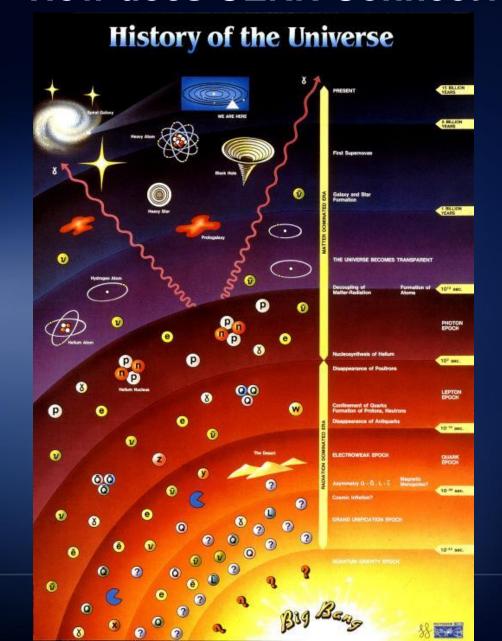
# Big Bang & Parallel Worlds: Connecting the Micro and Macro

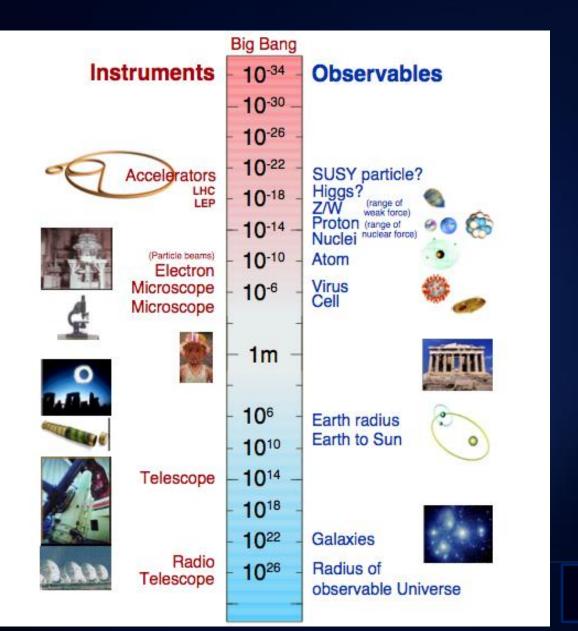
About CERN, Physics, and Innovation

CBI A3, November 26, 2019 Markus Nordberg (CERN)

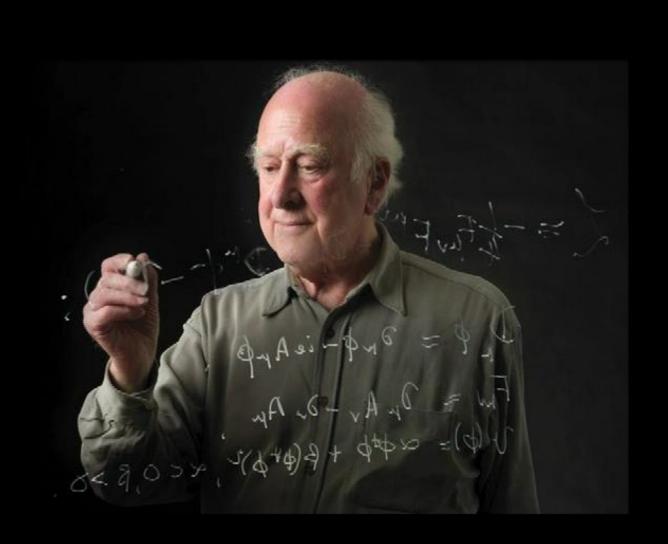
#### **How does CERN Connect?**



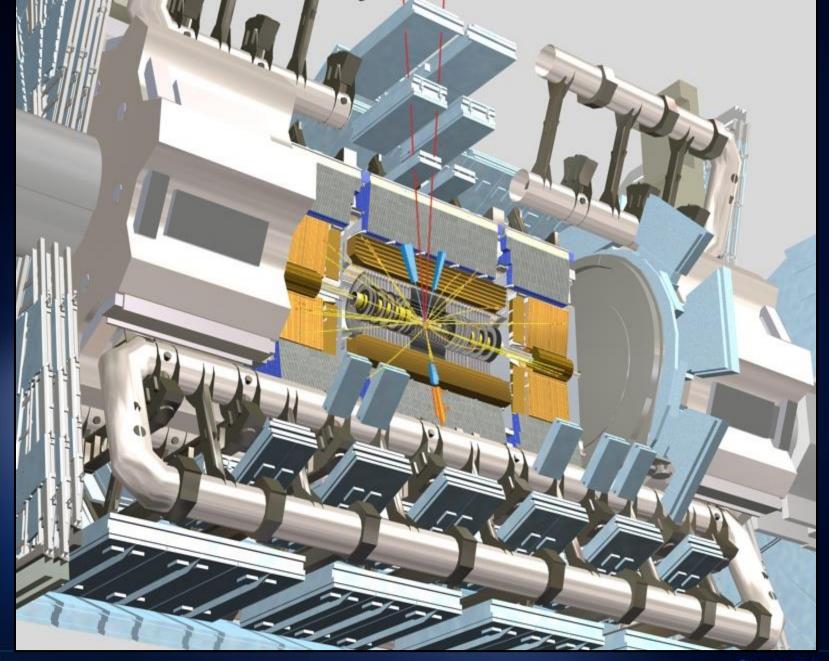
## How does CERN Measure?



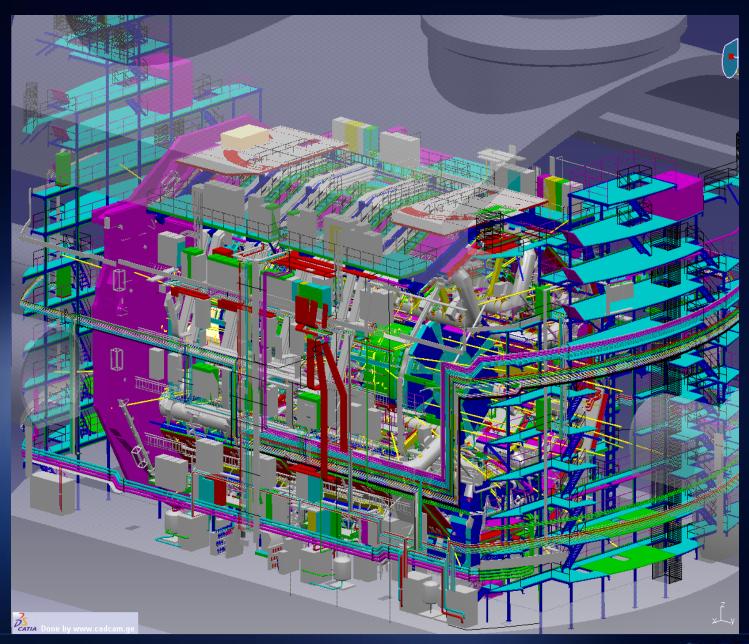
#### Where do we start?



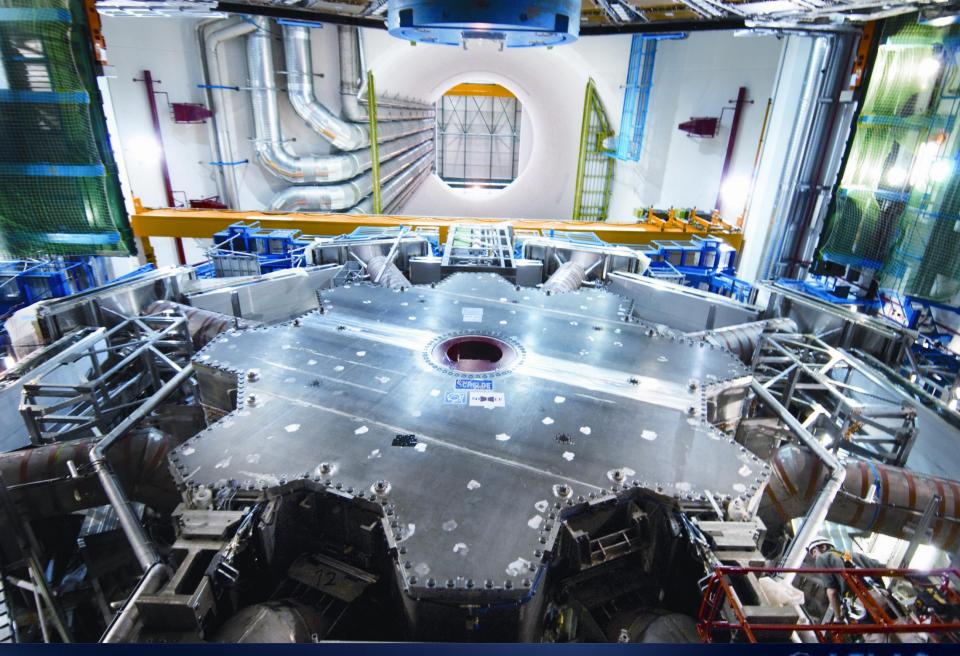








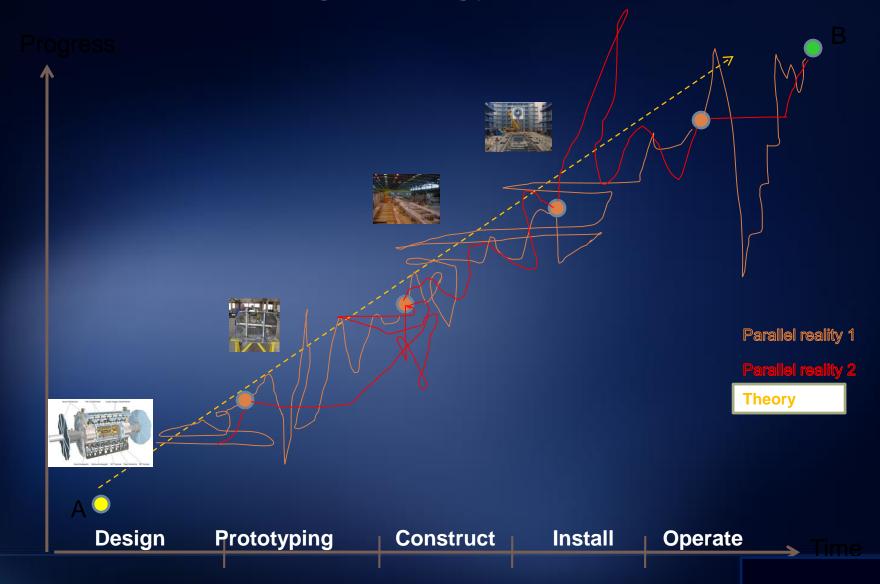




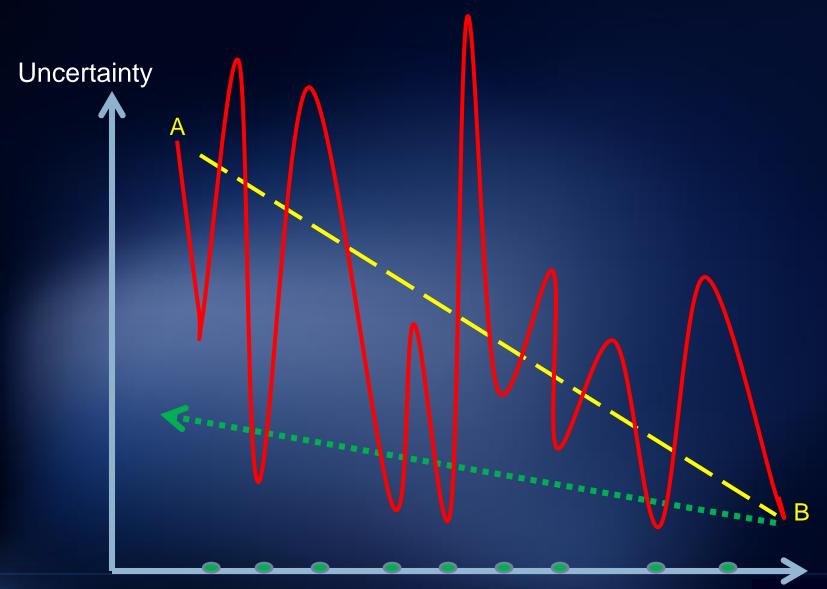


### Implementing Strategy is Not Linear

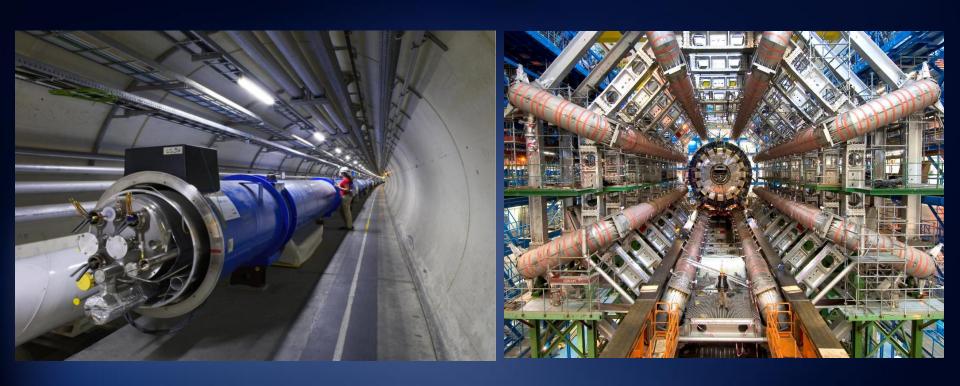




#### Absorbing vs. Reducing Uncertainty



### 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

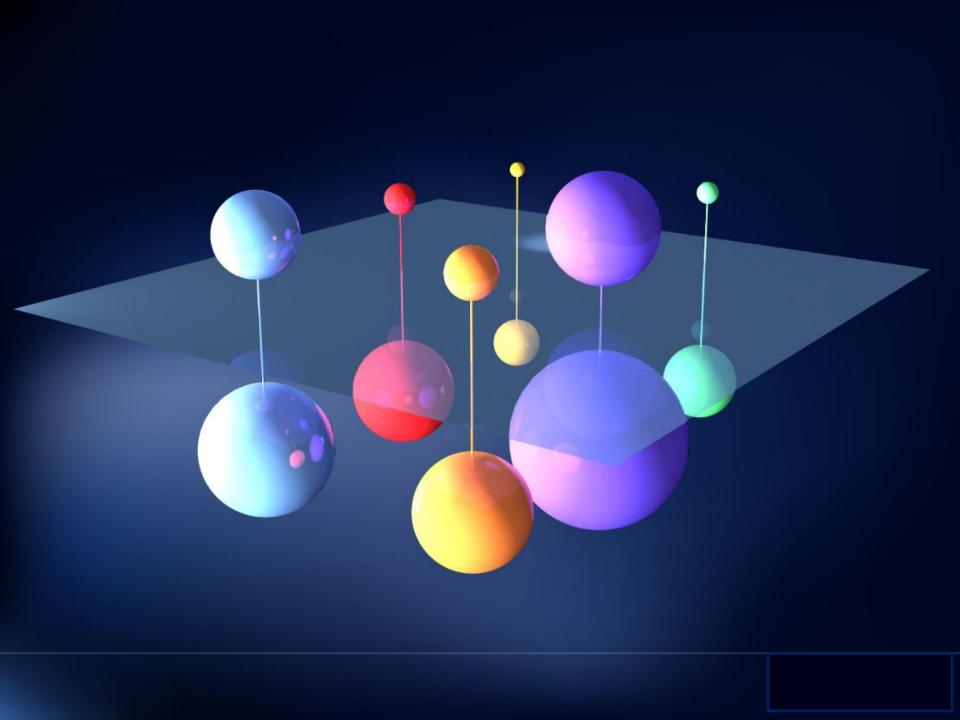
#### Distribution of All CERN Users by Nationality as of mid-April 2019



#### (How) Do We Manage This?

1. Vision 2. Connitment 3. Tolerance

















What do you see differently?