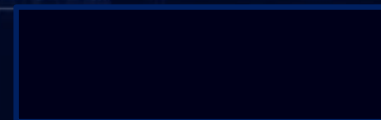


Parallel Worlds: Connecting the Micro and Macro

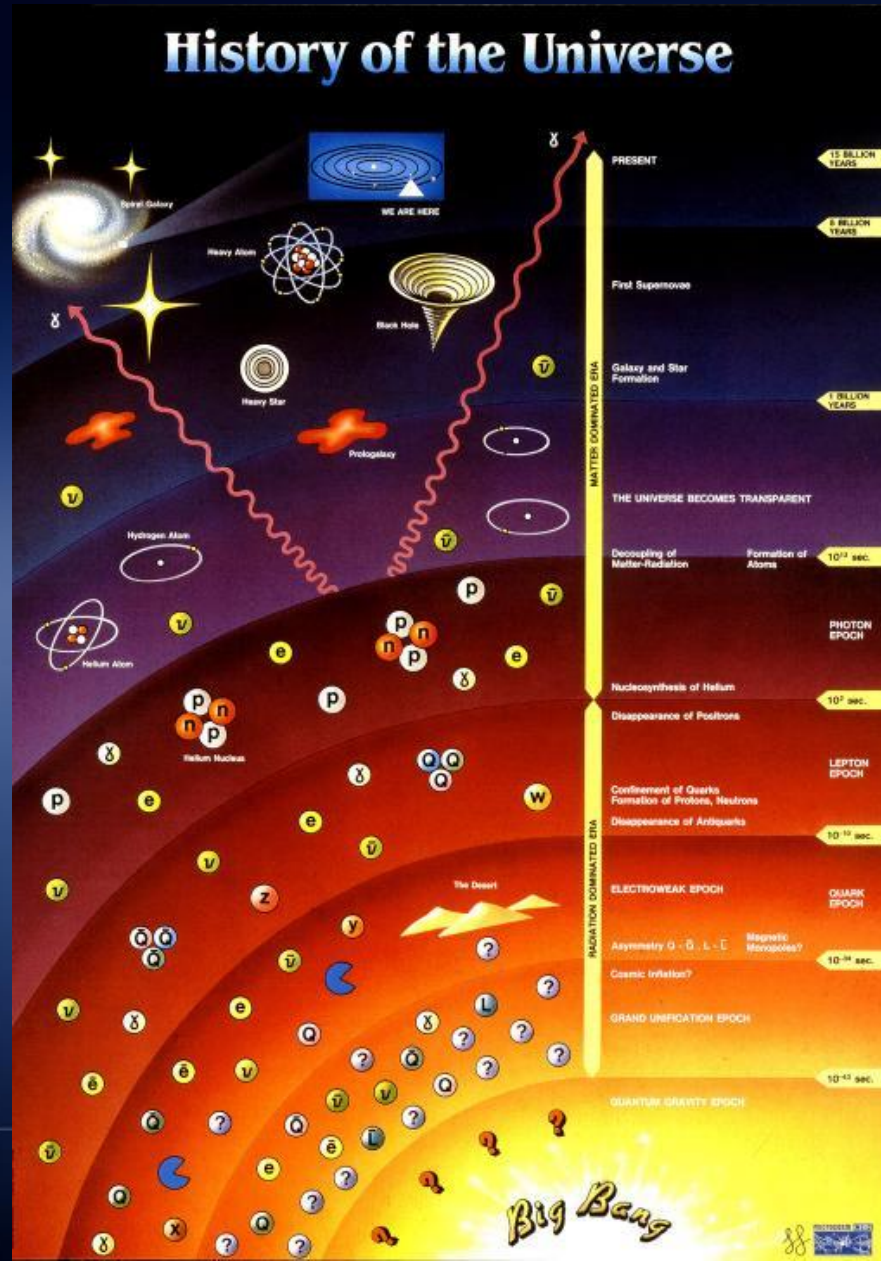
About CERN, Physics, and Innovation

Innovation for Change, February 1, 2016

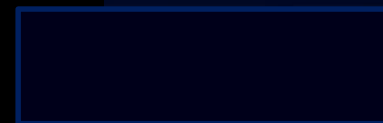
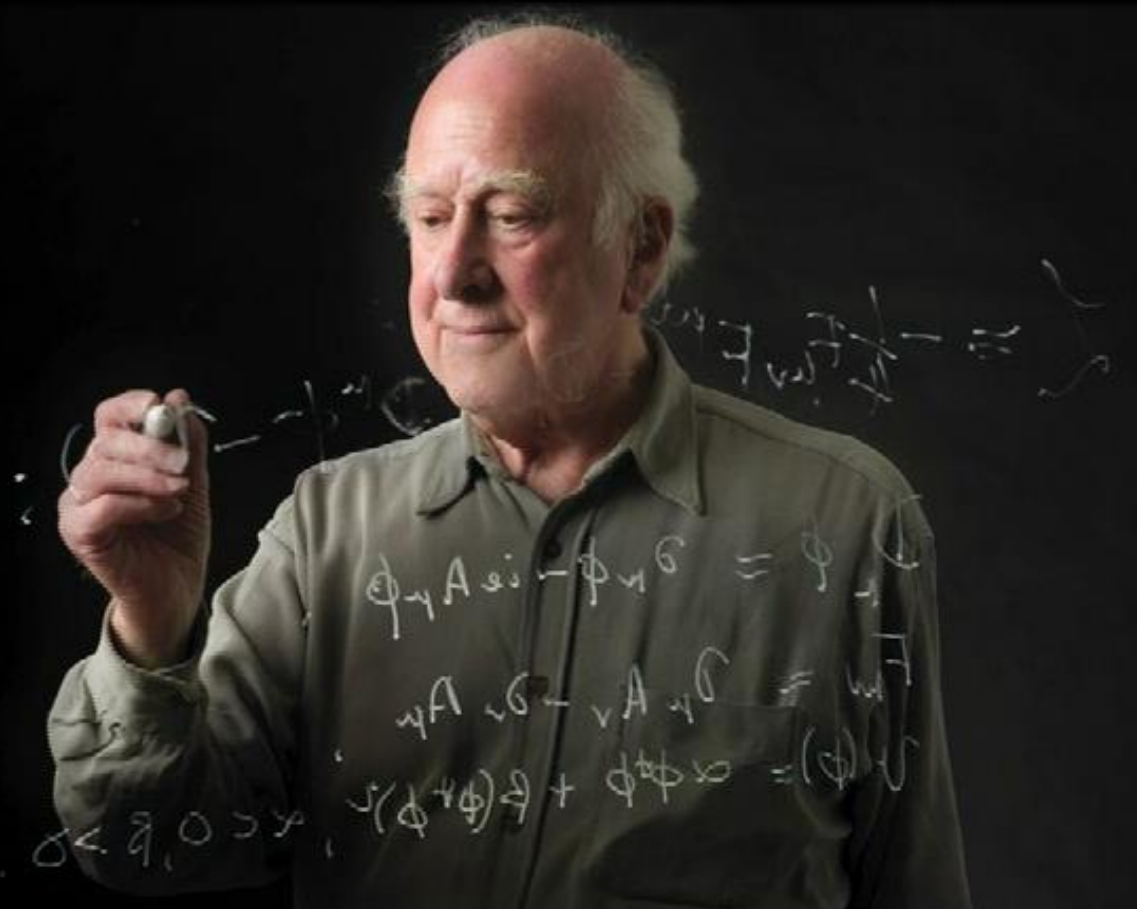
Markus Nordberg (CERN)



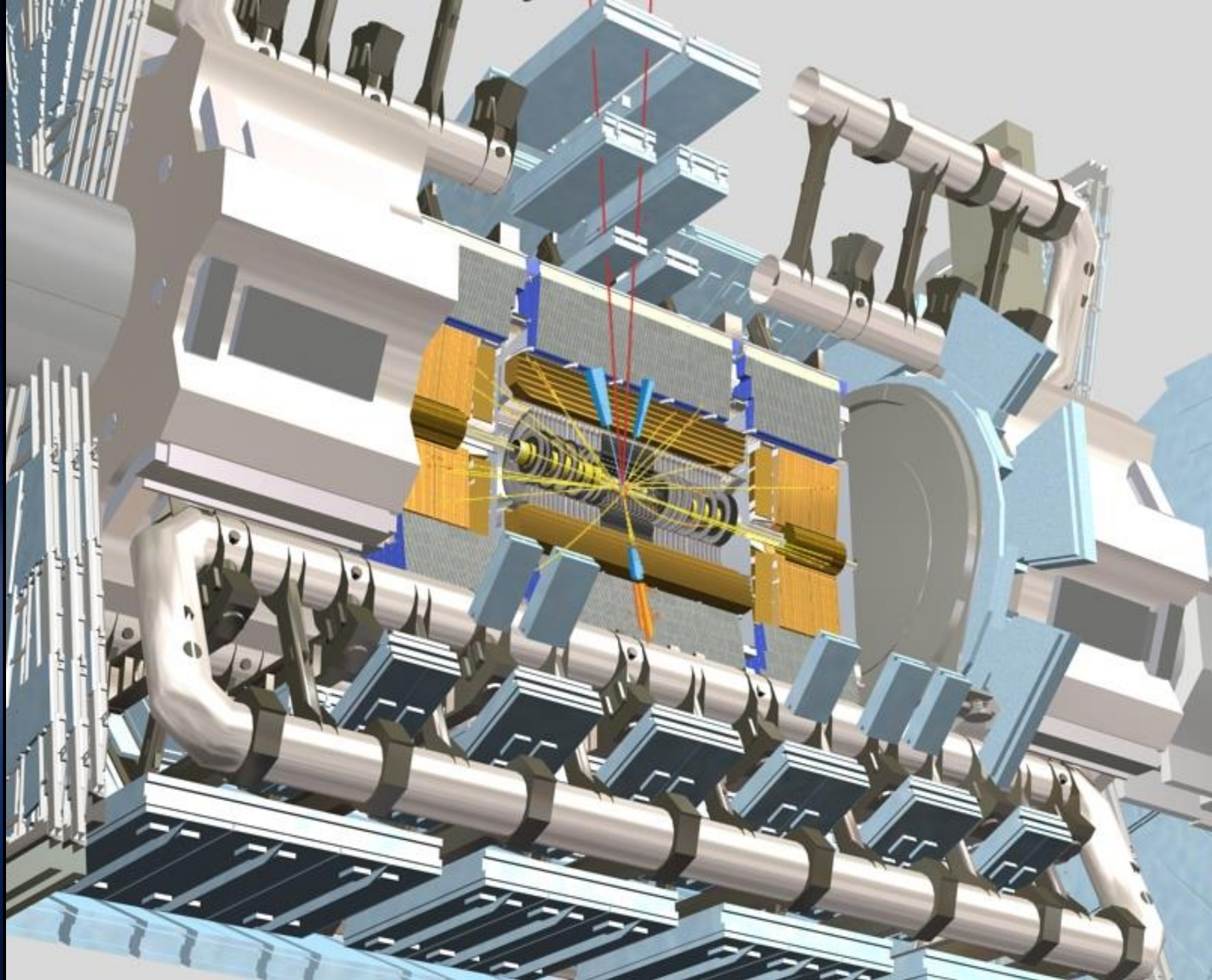
How does CERN Connect?

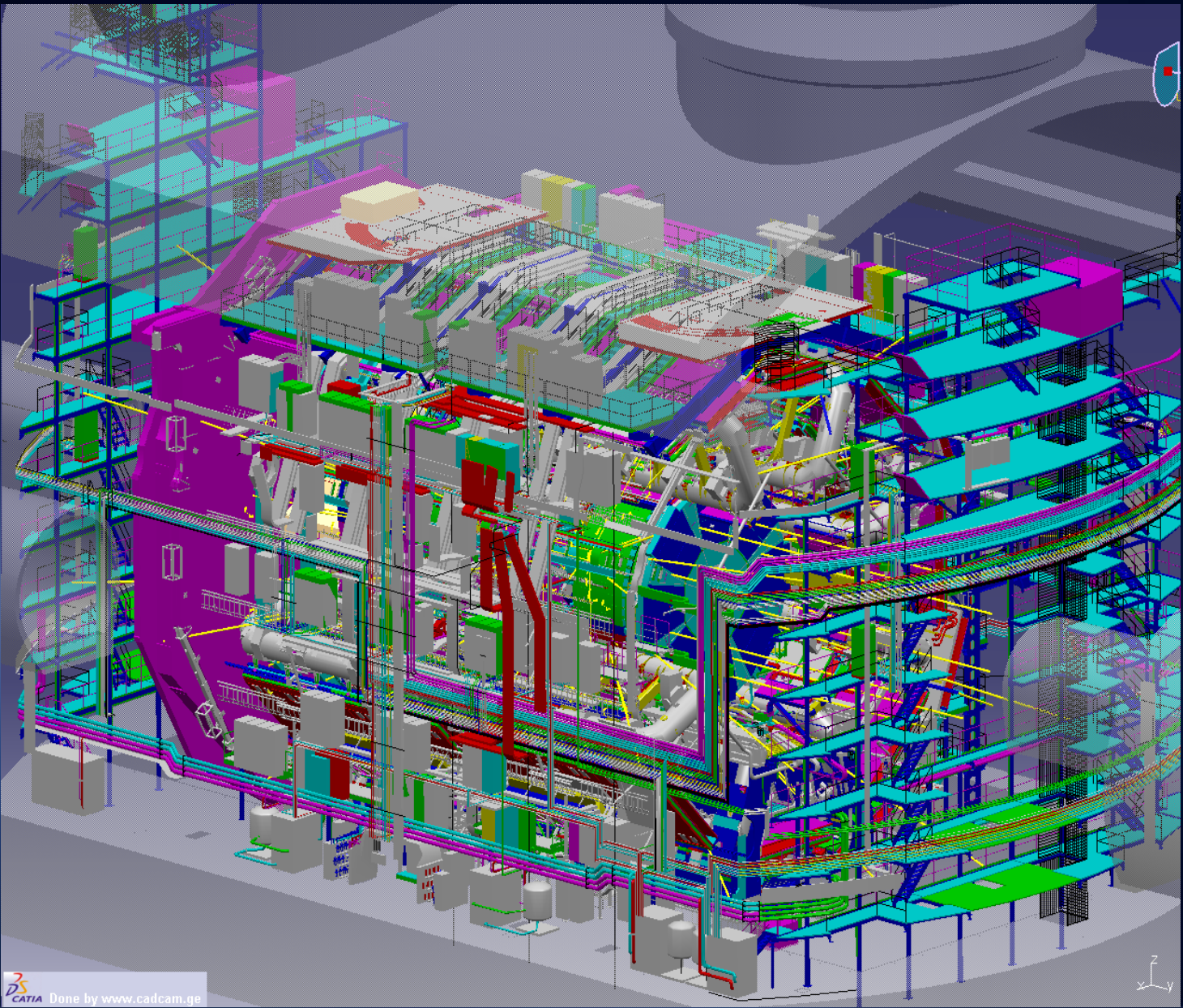


Where do we start?

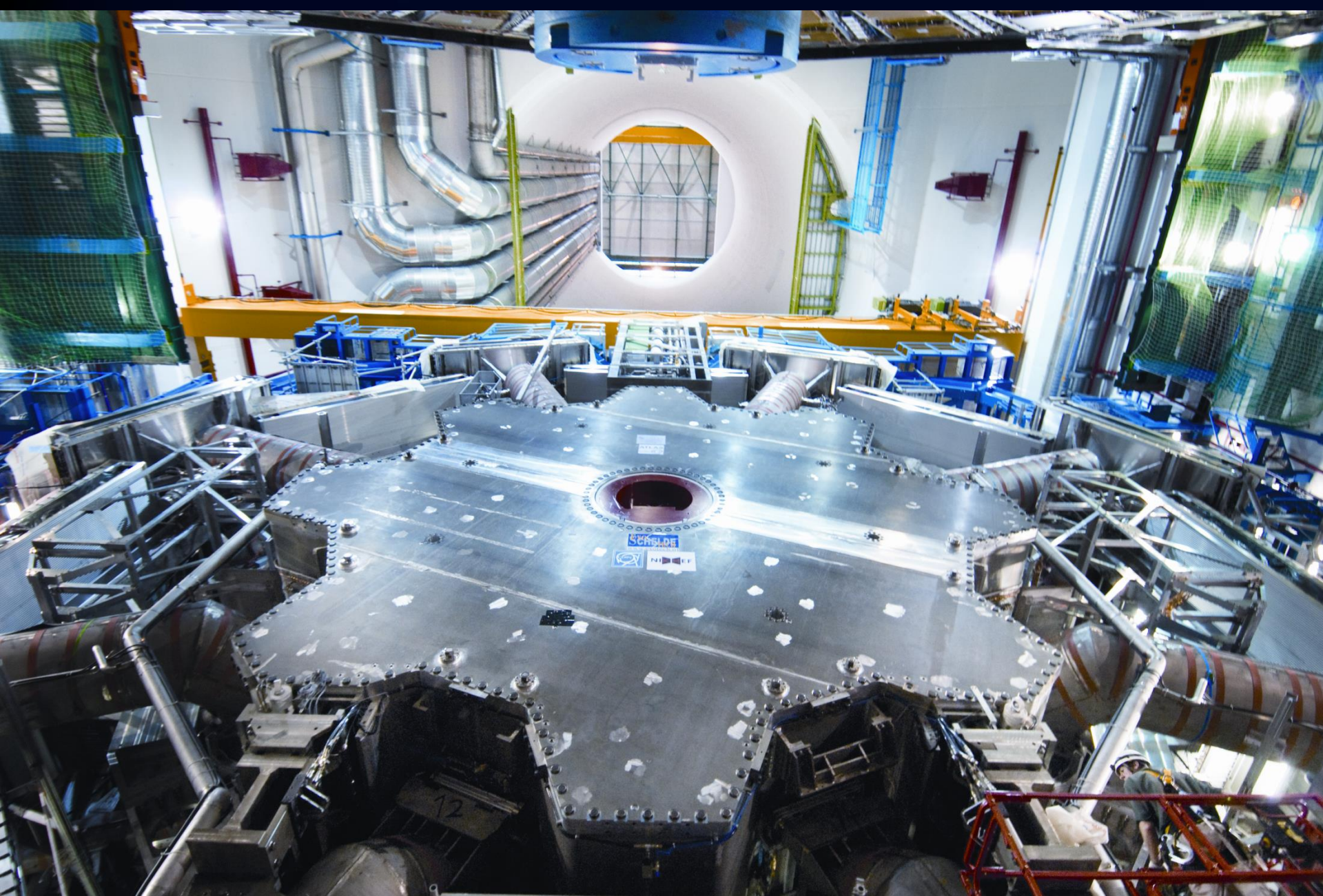




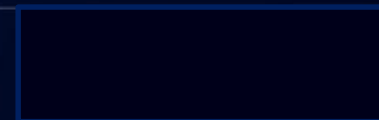
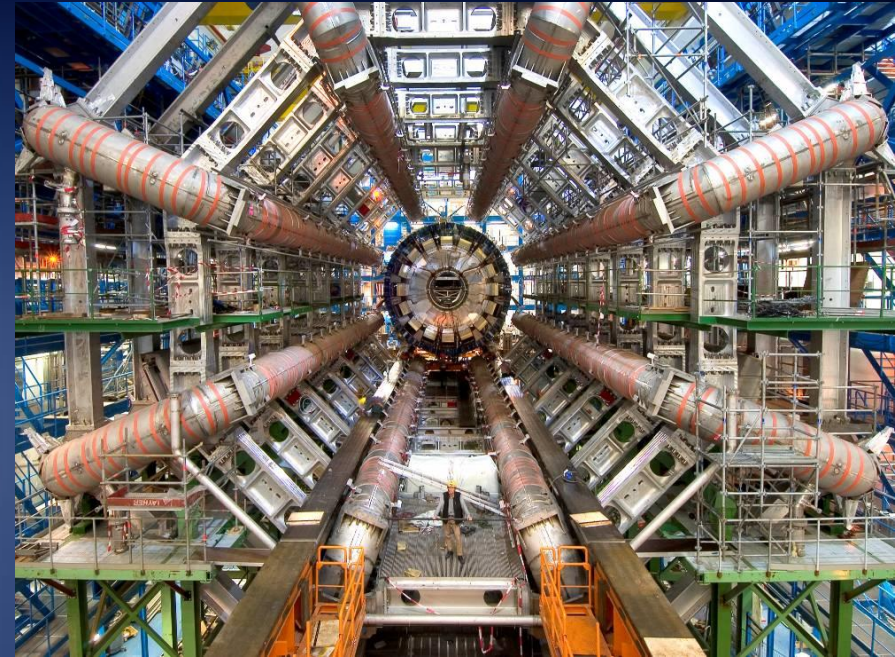
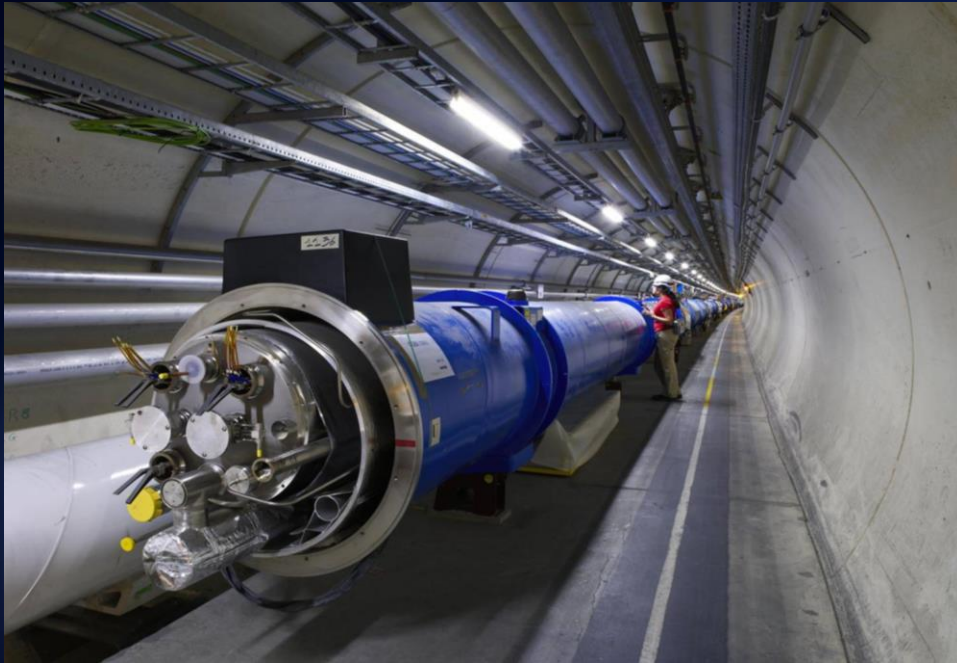




DS
CATIA Done by www.cadcam.ge



Seeing the Micro needs the Macro (scopes)







CERN was founded 1954: 12 European States Today: 21 Member States

- ~ 2300 staff
- ~ 730 other paid personnel
- ~ 10000 users
- Budget (2015) ~1100 MCHF

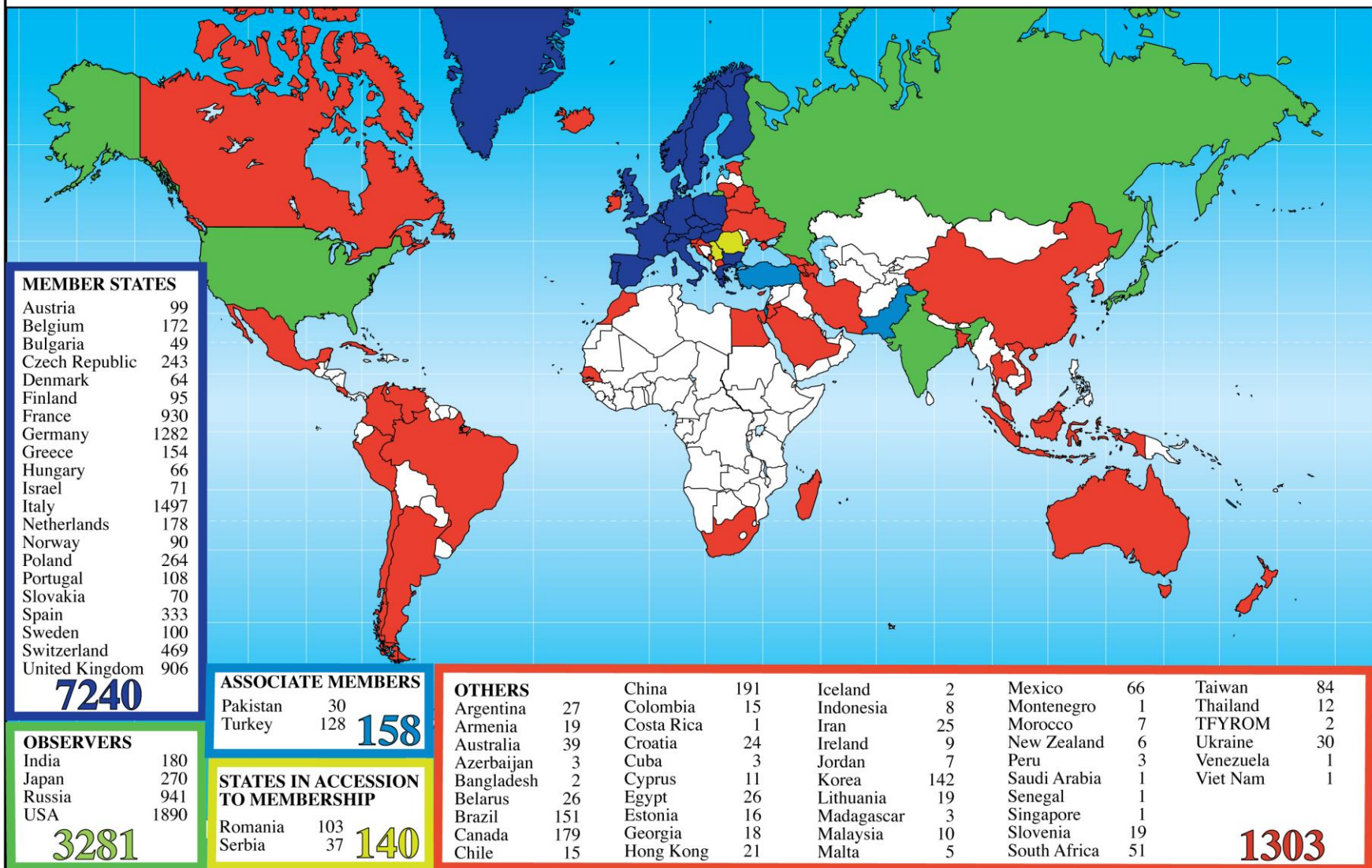
- **21 Member States:** Austria, Belgium, Bulgaria, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom
- **2 Candidate for Accession to Membership of CERN:** Serbia, Romania
- **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 21 September 2015

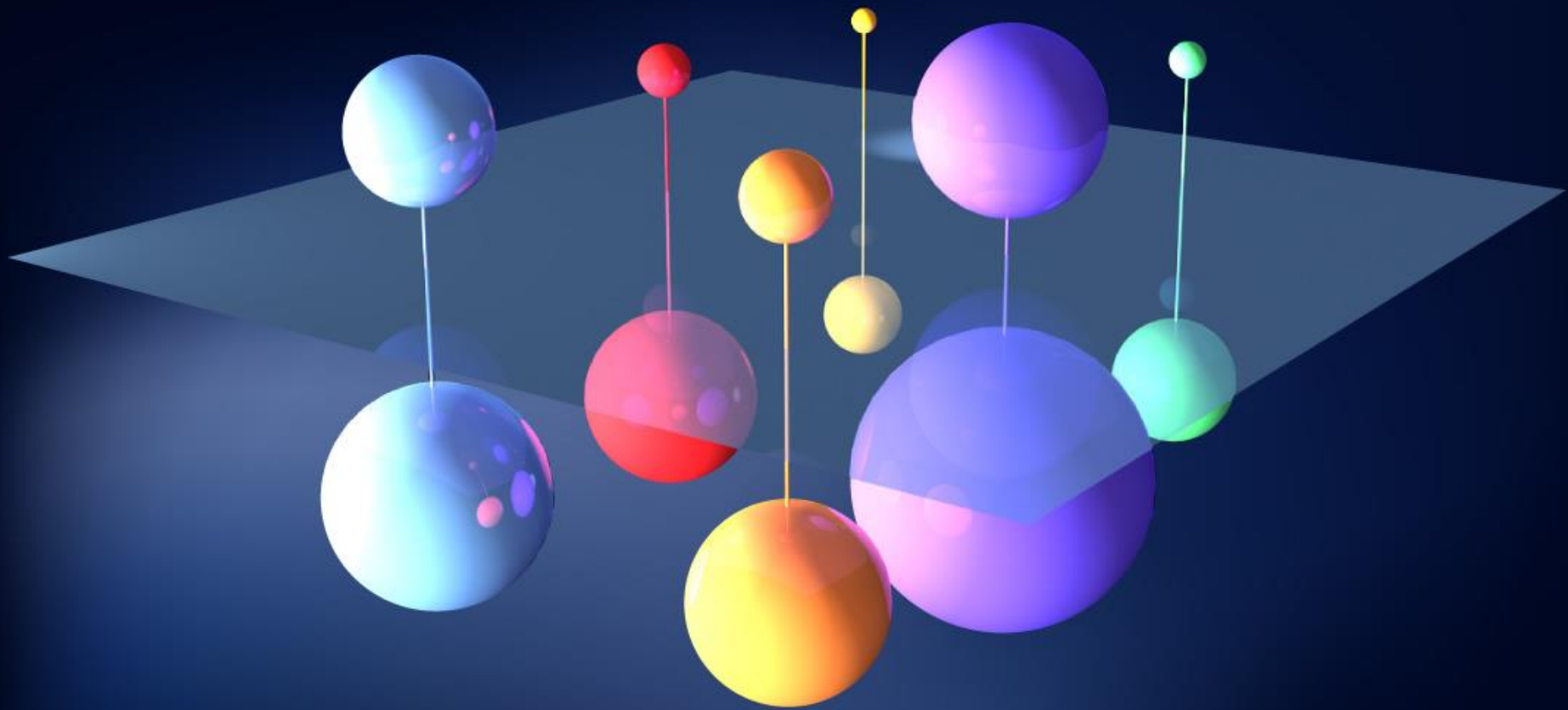


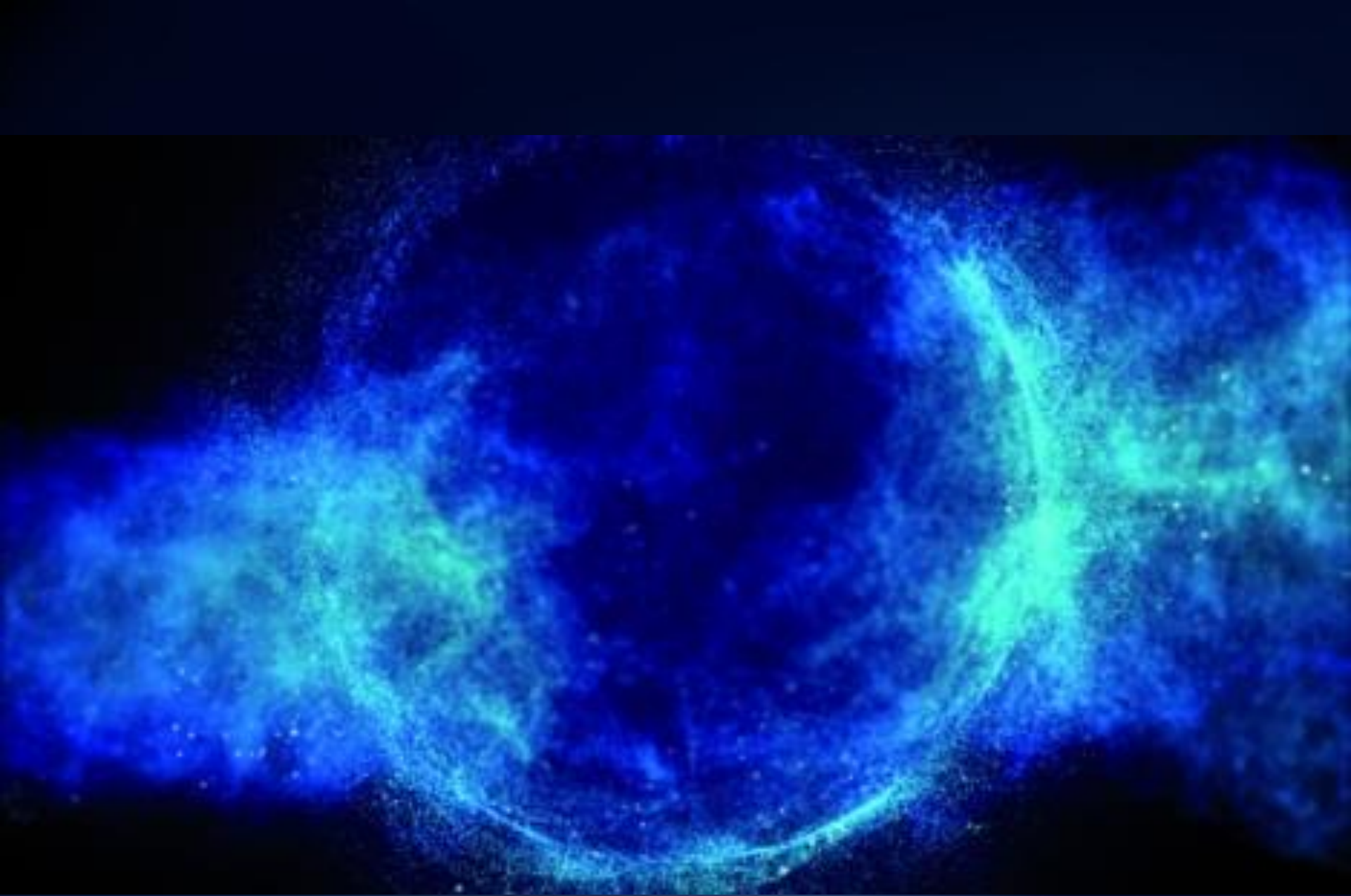
(How) Do We Manage This?

1. Vision
2. Commitment
3. Tolerance

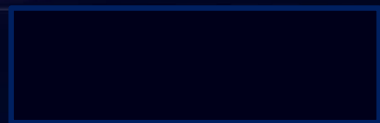
What is Wrong with this Picture?

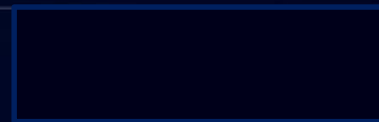














What do you see differently?