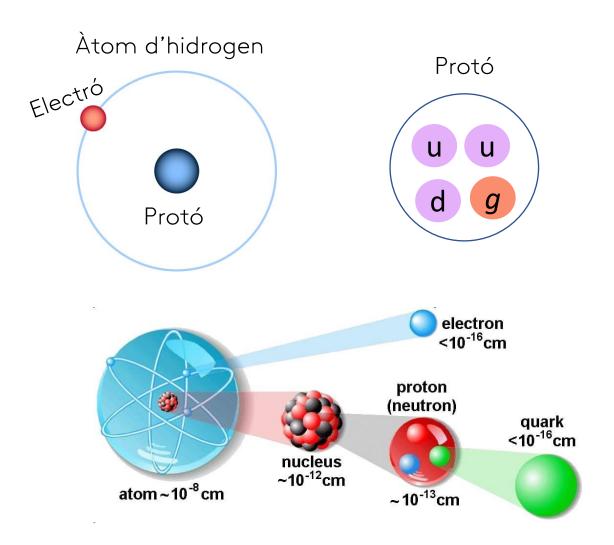
Què es fa al CERN?

Jordi Nadal Maig 2022

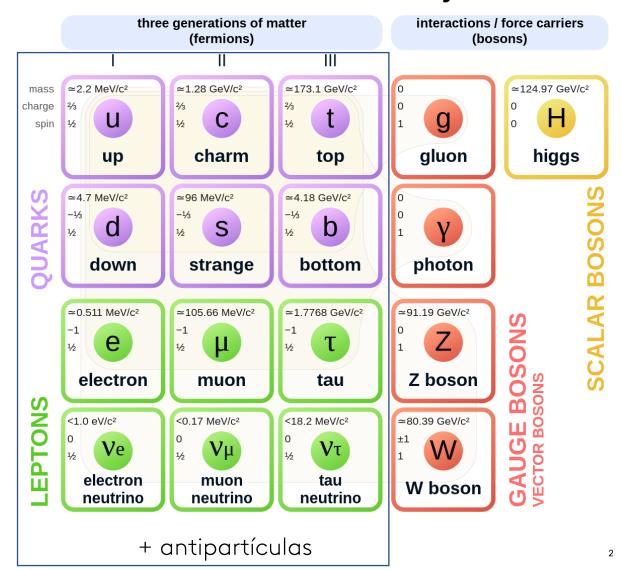


Model estàndard (teòria)

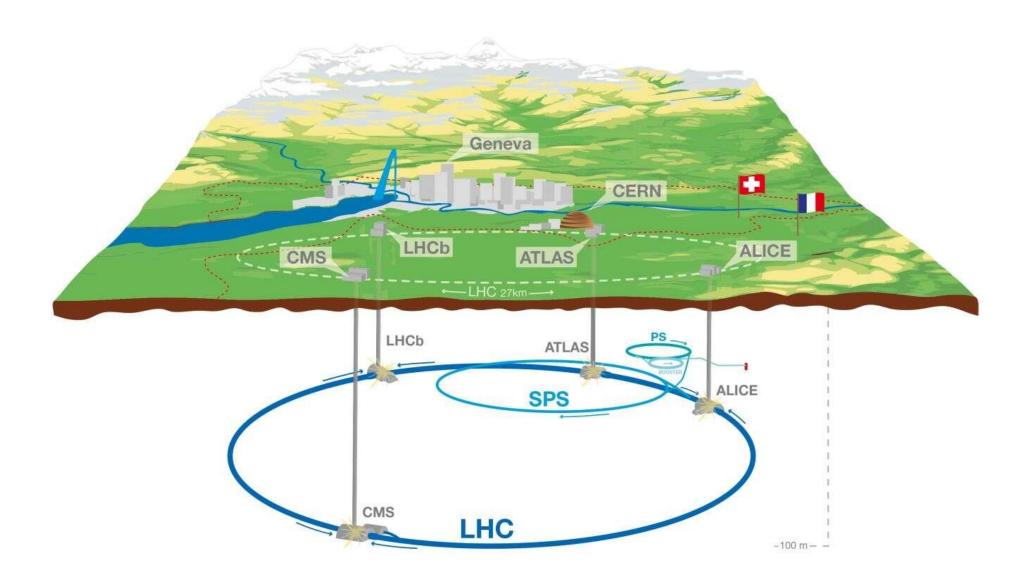


8 ordres de magnitud! (1 m vs el radi del sol)

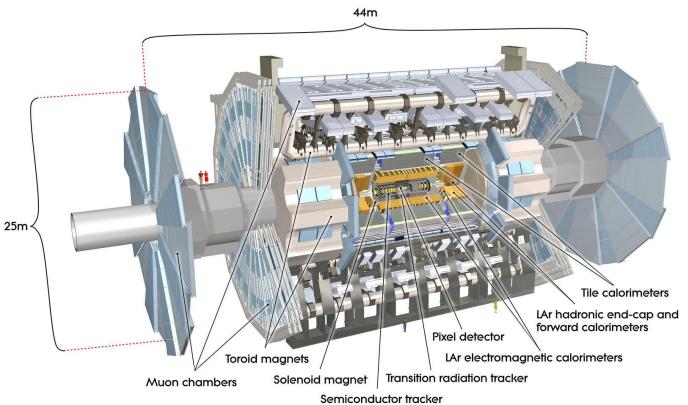
Standard Model of Elementary Particles

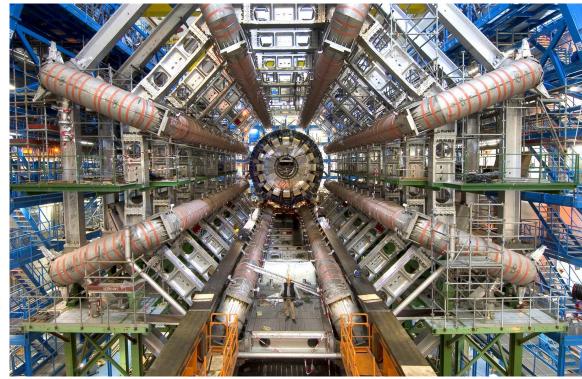


CERN (Centre Europeu de Recerca Nuclear) (experiment)

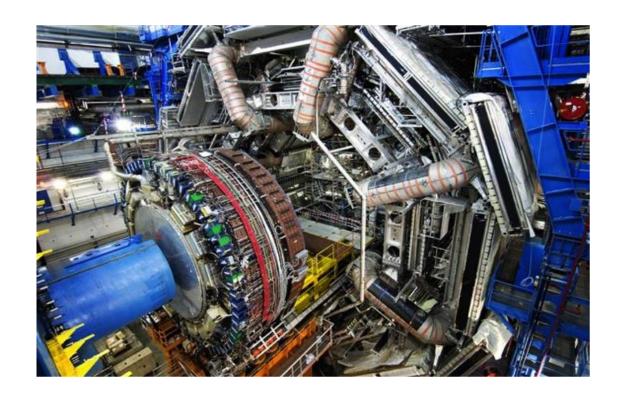


Detector ATLAS del LHC al CERN



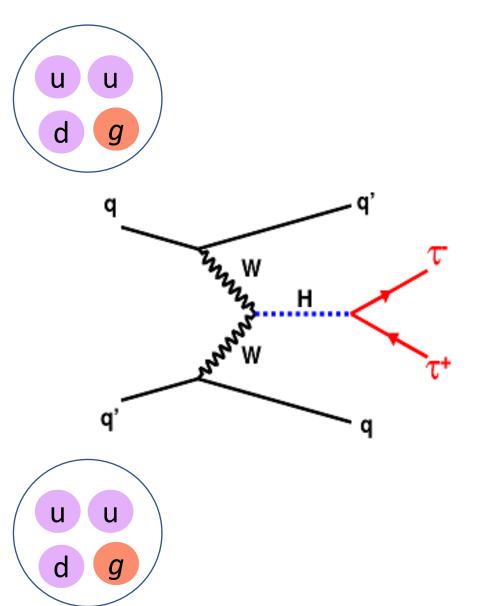


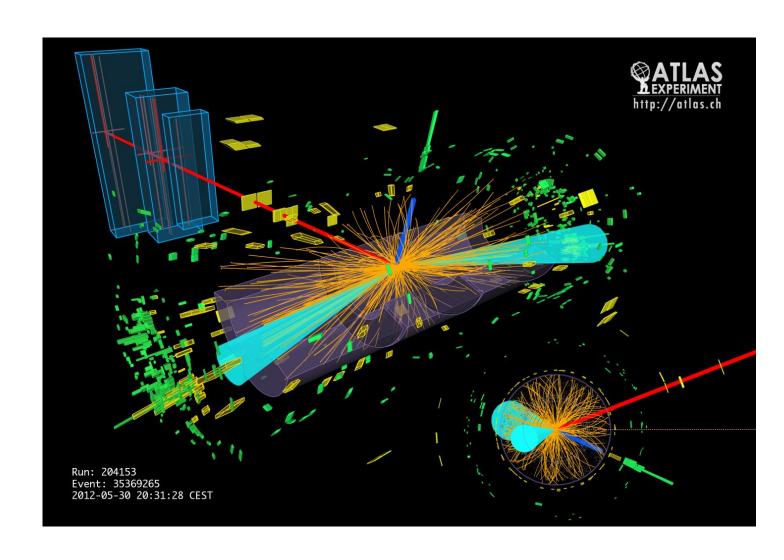
Detector ATLAS del LHC al CERN



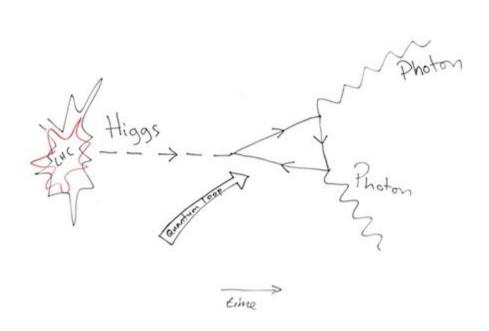


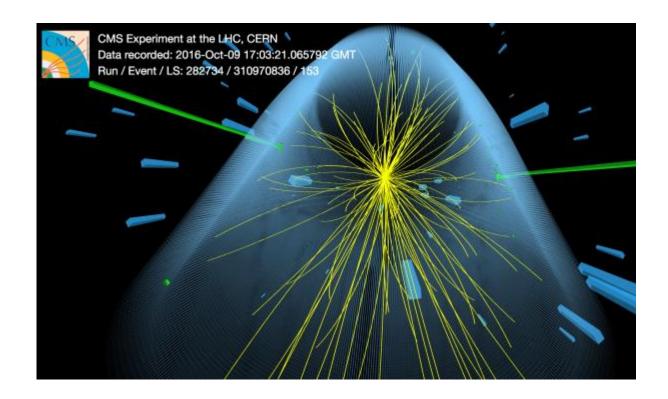
Com es "veuen" les col·lisions dins del detector? (Bosó de Higgs)



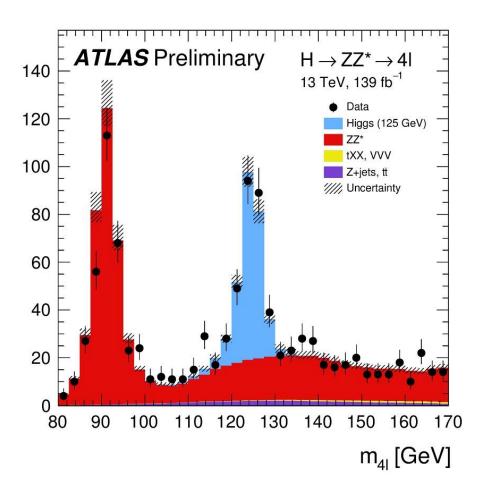


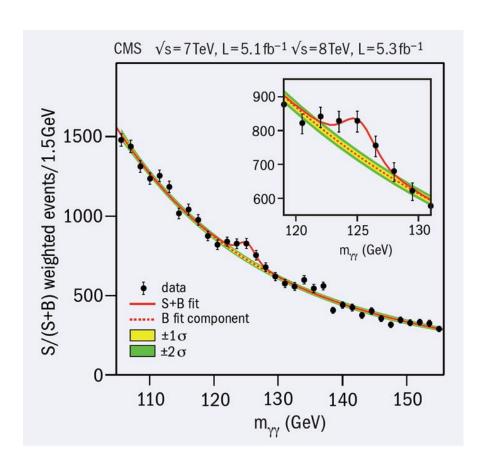
Com es "veuen" les col·lisions dins del detector? (Bosó de Higgs)





Teoria vs. experiment







Discrepància a la mesura de la massa del W

