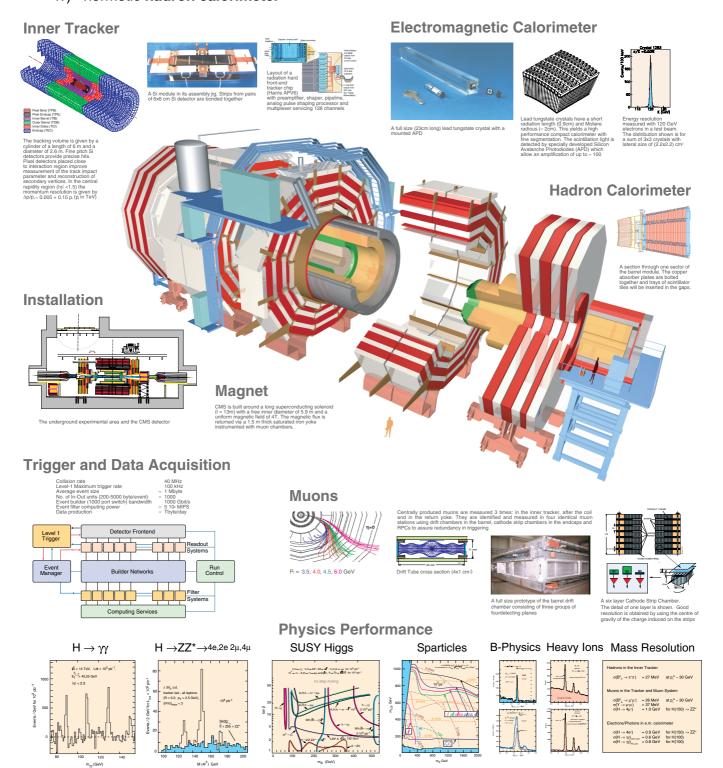


## **Compact Muon Solenoid**

CMS is a world wide collaboration comprising 1543 physicists and engineers from 31 countries and 136 institutions

CMS is a general purpose proton-proton detector designed to run at the highest luminosity at the LHC It is also well adapted for studies at the initially lower luminosities. The main design goals of CMS are:

- i) a highly performant muon system
- ii) the best possible electromagnetic calorimeter consistent with (i)
- iii) a high quality central tracking to achieve (i) and (ii)
- iv) hermetic hadron calorimeter



## Large Hadron Collider

