

# CMS Collaboration

36 Nations, 160 Institutions, 2008 Scientists and Engineers (November 2003)

## TRIGGER & DATA ACQUISITION

Austria, CERN, Finland, France, Greece, Hungary, Italy, Korea, Poland, Portugal, Switzerland, UK, USA

## TRACKER

Austria, Belgium, CERN, Finland, France, New Zealand  
Germany, Italy, Japan\*, Switzerland, UK, USA

## CRYSTAL ECAL

Belarus, CERN, China, Croatia, Cyprus, France, Ireland  
Italy, Japan\*, Portugal, Russia, Serbia, Switzerland, UK, USA

## PRESHOWER

Armenia, Belarus, CERN, Greece, India, Russia, Taipei, Uzbekistan

## FORWARD CALORIMETER

Hungary, Iran, Russia, Turkey, USA

## FEET

Pakistan China

## HCAL

Barrel: Bulgaria, India, Spain\*, USA  
Endcap: Belarus, Bulgaria, Russia, Ukraine  
HO: India

## MUON CHAMBERS

Barrel: Austria, Bulgaria, CERN, China, Germany, Hungary, Italy, Spain,  
Endcap: Belarus, Bulgaria, China, Korea, Pakistan, Russia, USA

## RETURN YOKE

Barrel: Czech Rep., Estonia, Germany, Greece, Russia  
Endcap: Japan\*, USA, Brazil

## SUPERCONDUCTING MAGNET

All countries in CMS contribute to Magnet financing in particular:  
Finland, France, Italy, Japan\*, Korea, Switzerland, USA

Total weight : 12500 T  
Overall diameter : 15.0 m  
Overall length : 21.5 m  
Magnetic field : 4 Tesla

\* Only through industrial contracts