

# Preparatory material for the CMS Virtual Visit

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## CERN&LHC:

1. CERN in 3 min  
<http://cds.cern.ch/record/1495143>
2. LHC in 10 min:  
<http://cds.cern.ch/record/1186009?ln=en>
3. Funny video "A quick look around LHC":  
<http://www.youtube.com/watch?v=BEEnEMMAOs&feature=c4-overview-vl&list=PLA75CC107D14CBD3A>

## CMS detector:

*[Note: we are having problems with the database and you need to add an exception to access the pages.]*

Set of CMS posters to display or to print in A0:

<https://cms-docdb.cern.ch/cgi-bin/PublicDocDB/ShowDocument?docid=12319>

Google street view:

<https://www.google.com/maps/views/streetview/cern?&hl=en&gl=ch>  
<https://www.google.com/maps/views/view/streetview/cern/cern-compact-muon-solenoid-cms/KGf112k0lNIAAAQJODj8Mw?gl=ch&heading=82&pitch=120&fovy=75>  
or: <http://cds.cern.ch/record/1444191?ln=en>

## Brochures:

1. CMS general brochure: [https://cms-docdb.cern.ch/cgi-bin/PublicDocDB/RetrieveFile?docid=4263&version=1&filename=CMS\\_English-New.pdf](https://cms-docdb.cern.ch/cgi-bin/PublicDocDB/RetrieveFile?docid=4263&version=1&filename=CMS_English-New.pdf)
2. CMS facts: [https://cms-docdb.cern.ch/cgi-bin/PublicDocDB/RetrieveFile?docid=4030&version=4&filename=CMSFactsheet\\_EN\\_Sept2013.pdf](https://cms-docdb.cern.ch/cgi-bin/PublicDocDB/RetrieveFile?docid=4030&version=4&filename=CMSFactsheet_EN_Sept2013.pdf)
3. CMS comic brochure: [http://issuu.com/cmsexperiment/docs/cms\\_comic\\_book](http://issuu.com/cmsexperiment/docs/cms_comic_book)

## Multimedia:

1. CMS YouTube channel:  
<http://www.youtube.com/user/CMSExperimentTV>
  - Opening of CMS:  
<https://www.youtube.com/watch?v=yMELoCnpgFI&list=UULxtFRQp4zedeQ4hOaoWqig> (December 2014)

- CMS is moving: <https://cds.cern.ch/record/1753412> (August 2014)
  - CMS 17 min videos on CMS for the young public:  
<http://www.youtube.com/watch?v=nifTTSfqubM&list=PLB28A4AB25B433D50&index=5>
  - Lowering of the biggest part of CMS from the surface to the cavern, located 100m underground:  
<http://www.youtube.com/watch?v=fINgkW7Muvc>
  - Video: 4th July 2012 New boson spotted at the LHC: is it the Higgs?  
<http://cds.cern.ch/record/1462525?ln=en>
  - Video: Reaction of CERN Physicists on the announcement of the Physics Nobel Prize 2013:  
<http://cds.cern.ch/record/1606846?ln=en>
2. CMS Photobook featuring the construction of the detector:  
<http://issuu.com/cmsoutreach/docs/cmsphotobook2008>

## Physics:

1. What is a Higgs boson:  
<http://cms.web.cern.ch/news/about-higgs-boson>