

High Luminosity LHC

Communication and Tools



Communication and tools

1. Public website
2. Accessing the Intranet
3. Intranet
4. Scientific Publications
5. Communication channels
6. Internal communications

<http://cern.ch/hilumilhc>

- Promotes project, news, events and results
- Milestone MS2: *Website for the whole project and for the DS follow up, month 3 (January 2012)*



The screenshot shows the website's layout. At the top left is the High Luminosity LHC logo. To its right is the title "HL-LHC: High Luminosity Large Hadron Collider". Below the title are three images showing different views of the LHC tunnel and its components. The main content area is titled "The next step for the Large Hadron Collider" and contains several paragraphs of text. To the right of this text is a small image of a particle detector. Further right is a yellow sidebar with sections for "LATEST NEWS", "UPCOMING EVENTS", and "QUICK LINKS". At the bottom of the page, there is a section titled "European support for a worldwide project" with a world map and text describing the project's funding and international collaboration. The footer includes the European Union flag and text about the project's funding by the European Commission.

High Luminosity LHC

HL-LHC: High Luminosity Large Hadron Collider

The next step for the Large Hadron Collider

The Large Hadron Collider (LHC) is the largest scientific instrument ever built. It has been exploring the new energy frontier since 2009, gathering a global user community of 7,000 scientists. It will remain the most powerful accelerator in the world for at least two decades, and its full exploitation is the highest priority in the European Strategy for Particle Physics, adopted by the CERN Council and integrated into the ESFRI Roadmap.

To extend its discovery potential, the LHC will need a major upgrade around 2020 to increase its luminosity (rate of collisions) by a factor of 10 beyond its design value. As a highly complex and optimized machine, such an upgrade of the LHC must be carefully studied and requires about 10 years to implement.

The new machine configuration, called High Luminosity LHC (HL-LHC), will rely on a number of key innovative technologies, representing exceptional technological challenges, such as cutting-edge 13 Tesla superconducting magnets, very compact and ultra-precise superconducting cavities for beam rotation, and 300-metre-long high-power superconducting dipoles with zero energy dissipation.

LATEST NEWS

HL-LHC Design Study begins 1st November 2011. See the [CERN Bulletin](#) article and [What's New@CERN](#) video.

Want to get involved? Anyone can via [LHC@Home](#)

UPCOMING EVENTS

16-18 Nov '11: [1st HL-LHC / LARP collaboration meeting](#)

18 Nov '11: [HL-LHC public session](#)

QUICK LINKS

[Intranet](#)

[LHC@Home](#)

European support for a worldwide project

The HL-LHC Design Study is a sub-system of the overall HL-LHC project and receives funding from the European Commission.

It involves European participants as well as participants from outside the European Research Area (ERA), in particular leading US and Japanese laboratories.

This project will facilitate the implementation of the construction phase as a global project. The proposed governance model is tailored accordingly and may pave the way for the organization of other global research infrastructures.

The HL-LHC Design Study (a sub-system of HL-LHC) is supported by the European Commission within the Framework Programme 7 Capacities Specific Programme, Contract Agreement 52044104

Accessing the Intranet

To access the Intranet you must:

1. Be on a HL-LHC mailing list

Complete the online registration form (available soon)

You will then be assigned to the relevant HL-LHC mailing list

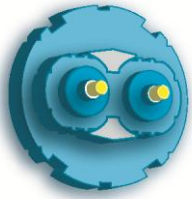
2. Have a username and password

Use your CERN NICE account username and password or use a CERN external account

<http://cern.ch/account/Externals/>

Registration form email address = CERN account email address

Note: username field needs “CERN\username” or your email address if accessing from outside CERN network



**High
Luminosity
LHC**

Intranet

High Luminosity LHC Project Intranet (incl. HiLumi LHC FP7 Design Study)

Home Public Site | Home Intranet

General Information

- List of Participants
- Contractual Documents
- Budget
- Templates
- Logo / Pictures

Project Reporting

- Publications
- Deliverables
- Milestones

Contacts List

Calendar

Management Bodies

- Management team
- Governing Board
- Steering Committee
- Scientific Advisory Board

Recycle Bin
 Site Content

News

HiLumi LHC Grant Agreement signed by the EC on 30 September 2011. 20.10.2011 16:02
by Cecile Noels

16 September 2011: HiLumi start date 1 Nov, kick-off meetings 16-18 Nov 2011. 16.09.2011 10:39
by Cecile Noels

The HiLumi start date is foreseen for 1 November 2011. The project kick-off meeting will occur at CERN from 16-18 November 2011. More details available from [Indico](#).

[Add new announcement](#)

Links

- Indico website for HL-LHC & HiLumi Meetings

[Add new link](#)

Calendar

- 16.11.2011 09:00 1st HiLumi/LARP Collaboration Meeting
- 17.11.2011 16:00 1st High Luminosity LHC Governing Board Meeting
- 31.07.2012 00:00 DELIVERABLE: 1.1 First release of layout database
- 31.10.2012 00:00 DELIVERABLE: 5.3: Simulation models for energy deposition
- 31.10.2012 00:00 DELIVERABLE: 5.1: simulation models for beam loss
- 30.04.2013 00:00 DELIVERABLE: 2.1: Optics and lattice files
- 30.04.2013 00:00 DELIVERABLE: 6.1: Preliminary report on cooling options for the cold powering system
- 30.04.2013 00:00 DELIVERABLE: 5.3: Beam halo simulations
- 30.04.2013 00:00 DELIVERABLE: 4.1: Operational Scenarios
- 30.06.2013 00:00 DELIVERABLE: 1.2 1st Periodic Report
- 31.10.2013 00:00 DELIVERABLE: 1.3 Beam IN3 parameter
- 31.10.2013 00:00 DELIVERABLE: 6.2: Preliminary report on results of thermo-mechanical studies
- 31.10.2013 00:00 DELIVERABLE: 5.4: Energy deposition simulations
- 31.10.2013 00:00 DELIVERABLE: 4.2: RF System Conceptual Design

[Add new event](#)



Scientific Publications

- Article 15 of Consortium Agreement
- Publications should include the text:

The research leading to these results has received funding from the European Commission under the FP7 project HiLumi LHC, GA no. 284404, co-funded by the DoE, USA and KEK, Japan.

- Authors should notify task leaders and work package leaders
- Upload publications to dedicated part of CDS (coming soon)

Communications so far:

- Website launched (1 Nov)
- LHC@Home linked to website (3 Nov)
- CERN Bulletin article (4 Nov)
- What's new at CERN video (7 Nov)
- Press release (16 Nov)

Communications foreseen:

- CERN Courier article (early 2012)
- Accelerator newsletter articles (from now on)
- etc.

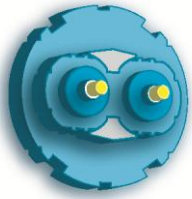
- **Send news, events, results to**
HiLumiLHC-editor@cern.ch



- WP leaders are contact points
 - Notify me if replacement contacts are nominated

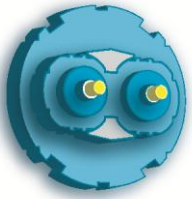
HiLumi LHC	Contact
WP1 and WP7 onwards	Lucio Rossi
WP2	Oliver Bruning
WP3	Ezio Todesco
WP4	Erk Jensen
WP5	Ralph Assmann
WP6	Amalia Ballarino

- To keep information flowing from work packages



Contact us

- To publicise news, events, results contact HiLumiLHC-editor@cern.ch
- For Intranet and general project queries contact HiLumiLHC-Info@cern.ch



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Aliases

- Aliases for website <http://cern.ch/HiLumiLHC/>
 - <http://cern.ch/HighLuminosityLHC>
 - <http://cern.ch/HL-LHC>
 - http://cern.ch/HiLumi_LHC
 - <http://cern.ch/HiLumi-LHC>
 - <http://cern.ch/Hi-Lumi-LHC>
 - <http://cern.ch/Hi-Lumi>
 - <http://cern.ch/HLLHC>
- Aliases for email addresses
 - HiLumiLHC-editor@cern.ch is also HL-LHC-editor@cern.ch
 - HiLumiLHC-Info@cern.ch is also HL-LHC-Info@cern.ch