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Today is a special day for CERN; it marks the end of run of the Large Hadron Collider (LHC), along with the reach of the 100 petabytes' milestone of data stored by CERN's data centre, the equivalent of roughly 700 years of Full-HD quality movies.

The LHC will stop running for maintenance till 2014, however, the enormous data produced from the experiment and stored at the data centre will continue to be processed and analysed.

You can find more information about the LHC and the LS1 (maintenance period) below:

- [CERN official press release: First three-year LHC running period reaches a conclusion](#) ^[2]
- [Related Quantum Diaries posts \(blog with thoughts and ideas from physicists around the world\): Bye bye beams! by Pauline Gagnon](#) ^[3]
- [CERN's Bulletin - info about the LS1](#) ^[4]
- [CERN's Bulletin - CERN Data Centre passes 100 petabytes](#) ^[5]
- [Related symmetrymagazine.org article: Achievement unlocked: 100 petabytes of data](#) ^[6]

To know more about the way the data are collected, stored, shared, analysed, and about the Worldwide LHC Computing Grid (WLCG), you can watch the CERN Hangout Videos listed below:

- [Hangout With CERN: LHC and the Grid - The world is our calculator](#) ^[7] (07 February 2013)
- [Hangout With CERN: LHC and the Grid - Big data, big questions](#) ^[8] (14 February 2013)

[CERN Video](#) ^[9]

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Links

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- [2] <http://press.web.cern.ch/press-releases/2013/02/first-three-year-lhc-running-period-reaches-conclusion>
- [3] <http://www.quantumdiaries.org/2013/02/13/bye-bye-beams/>
- [4] <http://cds.cern.ch/journal/CERNBulletin/2013/06/News%20Articles/1510560>
- [5] <http://home.web.cern.ch/about/updates/2013/02/cern-data-centre-passes-100-petabytes>
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