

# Quellen – Link-Sammlung

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## Normale Quellen

*CERN – Wikipedia*. Autor: N/A. 29.07.2002.

[https://de.wikipedia.org/wiki/CERN#Large\\_Electron-Positron\\_Collider](https://de.wikipedia.org/wiki/CERN#Large_Electron-Positron_Collider). Abrufdatum: 03.10.2025.

*Louis de Broglie – Wikipedia*. Autor: N/A. 24.09.2001. [https://de.wikipedia.org/wiki/Louis\\_de\\_Broglie](https://de.wikipedia.org/wiki/Louis_de_Broglie). Abrufdatum: 03.10.2025.

*Accelerators | CERN*. Autor: N/A. 03.10.2025. <https://home.cern/science/accelerators>. Abrufdatum: 03.10.2025.

*14 Fascinating Facts About Louis De Broglie*. Autor: Lauralee Hamrick. 15.12.2023.

<https://facts.net/history/people/14-fascinating-facts-about-louis-de-broglie/>. Abrufdatum: 03.10.2025.

*Laboratory Design: It's Time for a Breakthrough*. Autor: Written by Eric Baldwin. 14.11.2013.

<https://www.archdaily.com/444473/laboratory-design-it-s-time-for-a-breakthrough>. Abrufdatum: 03.10.2025.

*L'universo nel centro storico di Como: foto e scienza con il Cern protagonista*. Autor: R. Cro..

05.09.2022. [https://www.laprovinciadicom.it/stories/como-citta/luniverso-nel-centro-storico-como-foto-scienza-cern-protagonista-o\\_1438328\\_11/](https://www.laprovinciadicom.it/stories/como-citta/luniverso-nel-centro-storico-como-foto-scienza-cern-protagonista-o_1438328_11/). Abrufdatum: 03.10.2025.

*Linear accelerator 4*. Autor: N/A. 03.10.2025.

<https://home.cern/science/accelerators/linear-accelerator-4>. Abrufdatum: 03.10.2025.

*Linac 4 reached its energy goal*. Autor: 2016 14 November. 03.10.2025.

<https://home.cern/news/news/accelerators/linac-4-reached-its-energy-goal>. Abrufdatum: 03.10.2025.

*The Proton Synchrotron Booster*. Autor: N/A. 03.10.2025.

<https://home.cern/science/accelerators/proton-synchrotron-booster>. Abrufdatum: 03.10.2025.

*LS2 Report: Beams circulate in the PS Booster*. Autor: 2021 12 January. 03.10.2025.

<https://home.cern/news/news/accelerators/ls2-report-beams-circulate-ps-booster>. Abrufdatum: 03.10.2025.

*The first accelerators are back in action*. Autor: 2020 8 July. 03.10.2025.

<https://home.cern/news/news/accelerators/first-accelerators-are-back-action>. Abrufdatum: 03.10.2025.

*The Proton Synchrotron*. Autor: N/A. 03.10.2025.

<https://home.cern/science/accelerators/proton-synchrotron>. Abrufdatum: 03.10.2025.

*CERN70: The heart of CERN's accelerator chain*. Autor: N/A. 03.10.2025.

<https://home.cern/news/series/cern70/cern70-heart-cerns-accelerator-chain>. Abrufdatum: 03.10.2025.

*The Super Proton Synchrotron*. Autor: N/A. 03.10.2025.

<https://home.cern/science/accelerators/super-proton-synchrotron>. Abrufdatum: 03.10.2025.

*Archives of Super Proton Synchrotron Division, SPS | CERN Scientific Information Service (SIS)*. Autor:

N/A. 02.10.2025. [https://sis.web.cern.ch/archives/CERN\\_archive/guide/accelerators/SPS/isasps](https://sis.web.cern.ch/archives/CERN_archive/guide/accelerators/SPS/isasps).

Abrufdatum: 03.10.2025.

*Taking a closer look at LHC - LHC*. Autor: N/A. N/A.

[https://www.lhc-closer.es/taking\\_a\\_closer\\_look\\_at\\_lhc/1.lhc](https://www.lhc-closer.es/taking_a_closer_look_at_lhc/1.lhc). Abrufdatum: 03.10.2025.

*Taking a closer look at LHC - Luminosity.* Autor: N/A. N/A.  
[https://lhc-closer.es/taking\\_a\\_closer\\_look\\_at\\_lhc/0.luminosity](https://lhc-closer.es/taking_a_closer_look_at_lhc/0.luminosity). Abrufdatum: 03.10.2025.

*The Safety of the LHC | CERN.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/science/accelerators/large-hadron-collider/safety-lhc>. Abrufdatum: 03.10.2025.

*The Safety of the LHC | CERN.* Autor: N/A. 03.10.2025.  
<https://home.cern/science/accelerators/large-hadron-collider/safety-lhc>. Abrufdatum: 03.10.2025.

*HSE Unit | HSE unit at CERN.* Autor: N/A. 03.10.2025. <https://hse.web.cern.ch/>. Abrufdatum: 03.10.2025.

*What Happens If You Stick Your Head in a Particle Accelerator?.* Autor: Aeon Joel Frohlich. 12.01.2017.  
<https://www.theatlantic.com/science/archive/2017/01/what-happens-when-you-stick-your-head-in-a-particle-accelerator/512927/>. Abrufdatum: 03.10.2025.

*How an accelerator works.* Autor: N/A. 03.10.2025.  
<https://home.cern/science/accelerators/how-accelerator-works>. Abrufdatum: 03.10.2025.

*Accelerating: Radiofrequency cavities.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/science/engineering/accelerating-radiofrequency-cavities>. Abrufdatum: 03.10.2025.

*Pulling together: Superconducting electromagnets.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/science/engineering/pulling-together-superconducting-electromagnets>. Abrufdatum: 03.10.2025.

*How a detector works | CERN.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/science/experiments/how-detector-works>. Abrufdatum: 03.10.2025.

*ATLAS Experiment at CERN | ATLAS Experiment at CERN.* Autor: N/A. 18.09.2025. <https://atlas.cern/>. Abrufdatum: 03.10.2025.

*About.* Autor: N/A. N/A. <https://atlas.cern/about>. Abrufdatum: 03.10.2025.

*Detector & Technology.* Autor: N/A. N/A. <https://atlas.cern/Discover/Detector>. Abrufdatum: 03.10.2025.

*The Physics.* Autor: N/A. N/A. <https://atlas.cern/Discover/Physics>. Abrufdatum: 03.10.2025.

*The Standard Model.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/science/physics/standard-model>. Abrufdatum: 03.10.2025.

*Standardmodell – Wikipedia.* Autor: automobilere\_panzerkampfwagen. 19.08.2003.  
<https://de.wikipedia.org/wiki/Standardmodell>. Abrufdatum: 03.10.2025.

*The Z boson.* Autor: N/A. 03.10.2025. <https://home.web.cern.ch/science/physics/z-boson>. Abrufdatum: 03.10.2025.

*Z to Muon Muon Collision Event Animation | CERN.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/resources/video/physics/z-muon-muon-collision-event-animation>. Abrufdatum: 03.10.2025.

*ATLAS Physics Process Animations | CERN.* Autor: N/A. 03.10.2025.  
<https://home.web.cern.ch/resources/video/physics/atlas-physics-process-animations>. Abrufdatum: 03.10.2025.

## Image-Quellen

<https://www.bbc.co.uk/programmes/b04xxvtb>. Abrufdatum: 03.10.2025.

<https://stock.adobe.com/de/search?k=cern>. Abrufdatum: 03.10.2025.

<https://stock.adobe.com/br/search?k=cern>. Abrufdatum: 03.10.2025.

<https://stock.adobe.com/search?k=lhc>. Abrufdatum: 03.10.2025.

<https://www.inovacaotecnologica.com.br/noticias/noticia.php?artigo=lhc-alta-luminosidade&id=010130160920>. Abrufdatum: 03.10.2025.

<https://stock.adobe.com/search?k=hadron>. Abrufdatum: 03.10.2025.

[https://www.heliosgraduateschool.org/research/particle\\_physics](https://www.heliosgraduateschool.org/research/particle_physics). Abrufdatum: 03.10.2025.

[https://www.shutterstock.com/image-photo/cern-european-organization-nuclear-research-where-1287557641?dd\\_referrer=https%3A%2F%2Fwww.google.com%2F](https://www.shutterstock.com/image-photo/cern-european-organization-nuclear-research-where-1287557641?dd_referrer=https%3A%2F%2Fwww.google.com%2F). Abrufdatum: 03.10.2025.

<https://www.gettyimages.de/video/lhc>. Abrufdatum: 03.10.2025.

<https://www.wired.com/2010/11/cerns-mini-big-bang-did-not-destroy-the-universe/>. Abrufdatum: 03.10.2025.

<https://www.bnl.gov/newsroom/news.php?a=111204>. Abrufdatum: 03.10.2025.

<https://www.labmanager.com/u-s-scientists-celebrate-the-restart-of-the-large-hadron-collider-12077>. Abrufdatum: 03.10.2025.

<https://www.faz.net/aktuell/wissen/cern-teilchenbeschleuniger-warum-das-projekt-scheitern-koennte-110395485.html>. Abrufdatum: 03.10.2025.

<https://www.focus.it/scienza/scienze/lhc-riparte-il-superacceleratore-del-cern>. Abrufdatum: 03.10.2025.

<https://wallpapercave.com/lhc-wallpapers>. Abrufdatum: 03.10.2025.

<https://www.livescience.com/64623-large-hadron-collider.html>. Abrufdatum: 03.10.2025.

<https://www.newscientist.com/article/2098157-power-fame-and-the-lhc-a-machine-at-its-peak/>. Abrufdatum: 03.10.2025.

<https://www.swissinfo.ch/eng/sci-tech/what-s-next-for-cern-s-large-hadron-collider/41337172>. Abrufdatum: 03.10.2025.

<https://timeline.web.cern.ch/timeline-header/89>. Abrufdatum: 03.10.2025.

<https://www.lhc-facts.ch/index.php?page=cms>. Abrufdatum: 03.10.2025.

<https://www.lnf.infn.it/lnfadmin/travel/campana.pdf>. Abrufdatum: 03.10.2025.

<https://www.science-guide.eu/en/science-sight/large-hadron-collider-at-cern/>. Abrufdatum: 03.10.2025.

<https://sureshemre.wordpress.com/2015/02/22/cern-lhc-large-hadron-collider-is-waking-up/>. Abrufdatum: 03.10.2025.

<https://www.shutterstock.com/search/large-hadron-collider>. Abrufdatum: 03.10.2025.

[https://de.wikipedia.org/wiki/ATLAS\\_%28Detektor%29](https://de.wikipedia.org/wiki/ATLAS_%28Detektor%29). Abrufdatum: 03.10.2025.

<https://atlas.cern/Discover/Detector>. Abrufdatum: 03.10.2025.

<https://atlas.cern/Resources/Schematics>. Abrufdatum: 03.10.2025.

[https://commons.wikimedia.org/wiki/File:Standard\\_Model\\_of\\_Elementary\\_Particles.svg](https://commons.wikimedia.org/wiki/File:Standard_Model_of_Elementary_Particles.svg). Abrufdatum: 03.10.2025.

[https://www.laprovinciadico.com.it/stories/como-citta/luniverso-nel-centro-storico-como-foto-scienza-cern-protagonista-o\\_1438328\\_11/](https://www.laprovinciadico.com.it/stories/como-citta/luniverso-nel-centro-storico-como-foto-scienza-cern-protagonista-o_1438328_11/). Abrufdatum: 03.10.2025.