

Open access publishing

CERN has initiated an [open access publishing](#) project to convert scientific articles in high energy physics into [gold open access](#) by redirecting subscription fees. In the first phase from 2014-2016 3,000 libraries, consortia, research organisations, publishers and funding agencies in various countries participated.^[70] All publications by CERN authors are published with gold open access.^[71]

Public exhibits

Facilities at CERN open to the public include:



- [The Globe of Science and Innovation](#), which opened in late 2005 and is used four times a week for special exhibits.
- [The Microcosm museum on particle physics and CERN history](#).

CERN also provides daily tours to certain facilities such as the Synchro-cyclotron (CERN's first particle accelerator) and the superconducting magnet workshop.

In popular culture

- The band [Les Horribles Cernettes](#) was founded by women from CERN. The name was chosen so to have the same initials as the LHC.^{[72][73]}
- CERN's Large Hadron Collider is the subject of a (scientifically accurate) [rap](#) video starring Katherine McAlpine with some of the facility's staff.^{[74][75]}
- *[Particle Fever](#)*, a 2013 documentary, explores CERN throughout the inside and depicts the events surrounding the 2012 discovery of the [Higgs Boson](#)
- CERN is depicted in an episode of *[South Park](#)* (Season 13, Episode 6) called "Pinewood Derby". Randy Marsh, the father of one of the main characters, breaks into the "Hadron Particle Super Collider in Switzerland" and steals a "superconducting bending magnet created for use in tests with particle acceleration" to use in his son Stan's Pinewood Derby racer. Randy breaks into CERN dressed in disguise as Princess Leia from the *Star Wars* saga. The break-in is captured on surveillance tape which is then broadcast on the news.^[76]
- [John Titor](#), a self-proclaimed [time traveler](#), alleged that CERN would invent time travel in 2001.
- CERN is depicted in the [visual novel/anime series](#) *[Steins;Gate](#)* as SERN, a shadowy organization that has been researching time travel in order to restructure and control the world.
- In [Dan Brown's](#) mystery-thriller novel *[Angels & Demons](#)* and film of the same name, a canister of antimatter is stolen from CERN.^[77]
- In the popular children's series *[The 39 Clues](#)*, CERN is said to be an Ekaterina stronghold hiding the clue hydrogen.
- In Robert J. Sawyer's science fiction novel *[Flashforward](#)*, at CERN, the Large Hadron Collider accelerator is performing a run to search for the Higgs boson when the entire human race sees themselves twenty-one years and six months in the future.
- In season 3 episode 15 of the TV sitcom *[The Big Bang Theory](#)* titled "The Large Hadron Collision", [Leonard](#) and [Raj](#) travel to CERN to attend a conference and see the LHC.
- The 2012 student film *[Decay](#)*, which centers on the idea of the Large Hadron Collider transforming people into zombies, was filmed on location in CERN's maintenance tunnels.^[78]
- The Compact Muon Solenoid at CERN was used as the basis for the [Megadeth's](#) *[Super Collider](#)* album cover.
- In *[Super Lovers](#)*, Haruko (Ren's mother) worked at CERN, and Ren was taught by CERN professors
- CERN forms part of the [back story](#) of the massively multiplayer augmented reality game *[Ingress](#)*.^[79]
- In season 10 episode 6 of the BBC TV show *[Doctor Who](#)* titled "[Extremis](#)", CERN and its physicists are involved in a mysterious plot involving a book that causes everyone who reads it to kill themselves.
- In 2015, Sarah Charley, US communications manager for LHC experiments at CERN with graduate students Jesse Heilman of the University of California, Riverside, and Tom Perry and Laser Seymour Kaplan of the University of Wisconsin, Madison created a [parody video](#) (<https://www.youtube.com/watch?v=-1AF7GwAxfI>) of "Collide" a song by American artist [Howie Day](#).^[80] The lyrics were changed to be from the perspective of a proton in the Large Hadron Collider. After seeing the parody, Day re-recorded the song with the new lyrics and in February, 2017 Day released this [new version of "Collide"](#) in a video (<https://www.youtube.com/watch?v=1YB0xM9cgr8>) created during his visit to CERN.^[81]

See also

-  [CERN portal](#)
- [Joint Institute for Nuclear Research](#)
- [CERN Openlab](#)
- [Fermilab](#)
-  [Large Hadron Collider](#) - Wikipedia book
- [Nederlandse Organisatie voor Wetenschappelijk Onderzoek](#)
- [Science and Technology Facilities council](#)
- [Science and technology in Switzerland](#)
- [Scientific Linux](#)
- [SLAC National Accelerator Laboratory](#)
- [World Wide Web](#)



The Globe of Science and Innovation at CERN



Line 18 goes to CERN