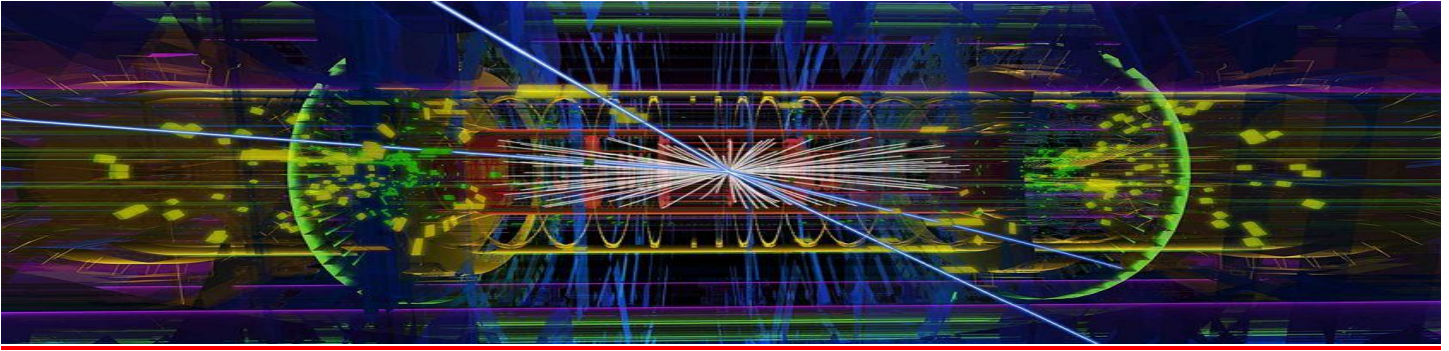


The God Particle

by dallas jones



Genre

Horror/Sci-Fi

Logline

Tagline

Synopsis

The LHC has just gone online. An unexpected accident kills the Director's son and turns him into a ghost when a beam of created particles from 'The Machine' is absorbed by the body. A small sample is contained in a magnetic container field. When the potential of this substance is seen the European Commander of LHC takes charge.

Mysterious deaths and injuries lead to the discovery of 'The Ghost'. And as our protagonist, John, Head of Scientific Security and his scientific liaison, Dr. Katherine Henderson, hunts down the ghost. The Director discovers the awful truth, that the discovered, 'God Particle' has the potential of destroying the world.

For military and personal reasons, the General overrides the Director's belief in the danger of what they have discovered and plans to repeat the experiment.

Characters

Dr. Richard English – Scientific Director of LHC

- Runs LHC facility
- Discovers that the new particles when concentrated will cause a black hole in low concentration will repel matter

Zachary English – Richard's son (ghost) – 10 years old

- A concentrated burst of 'The God Particles' and he lifts off the ground and disintegrates
- He can move through time and see the future

John Robinson – Head of Research Security (charismatic and witty)

- Ex-American
- Special skills - can read lips

General R.J. Campbell – NATO head of LHC (hard ass)

- Military European Commanding officer of LHC
- Takes control of the facility when he sees the perceived potential of 'The God Particle'

Dr. Katherine Henderson – woman scientist

- Explains the science to John
- Makes a connection with John

Dr. Lana Summers – woman scientist

- Having affair with the General
- A spy for the CIA

Assistant Director Dr. Jeffery Dagan (kiss ass to the General)

- Kisses ass to the General

Rough Outline

- A crowd of scientists and civilians protest at the entrance of the CERN (European Organization for Nuclear Research) facility, outside Geneva, Switzerland. They are protesting the initial startup of the accelerator believing it will create a 'Black Hole' that will destroy the world.
- Director of CERN, Richard English (**Director**), opens a wall locker and pulls out two bicycles. He hands one to his son then swipes his access badge and types in a code to open the door leading to the 17mile circular tunnel that contains the accelerator.
- Richard and his young son (8 yrs), Zachary English (**Zach**), peddle along the tunnel. Laughing and joking.
- Signs along the wall that reads 'Extreme Radiation Danger'. (**Radiation generated from the collider sending subatomic particles through a accelerator ring near the speed of light creates gamma radiation that is fatal. That is why it is 100 meters underground to protect the environment on the surface**).
- A reporter interviews a distinguished scientist protester that talks about how the LHC (Large Hadron Collider) will create a black hole that will destroy the world.
- A hum of a great generator coming online is suddenly heard.
- A 100+ meters below them lights flash down the tunnel warning that the collider is about to come online.
- The Director (Richard), who is single, has brought his son into the control room. Zach is antsy because of delays. Bored, Zach plays a computer game. The noise irritates General R. J. Campbell, military commander of CERN, The (**General**) walks over and shuts off the kids monitor.
- As the control center goes through the final startup sequence Zach very bored now grabs his father's access badge and heads out the door unnoticed.
- Zach uses his dad's access badge and code access and enters the giant Atlas chamber.
- He looks up at the motion cameras avoiding their observation.
- An alarm sounds in the control room, signaling movement in the Atlas chamber.
- One of the monitors inside the Atlas chamber shows a bat hanging from the camera blocking the view of the rest of the chamber.
- This should stop the test but the General overrides the failsafe, shutting off the chamber monitor, and demands the first test of the LHC to continue.
- Woman scientist in the control room, Dr. Lana Summers, (**Lana**), walks over and puts her hand on the General's shoulder. She's having affair with the General.
- As the accelerator comes online we see the subatomic collisions on the impact chamber monitors. One of the scientists points to a collision monitor. And speaks, "Could that be it already?" The Director stares at the monitor, "The God Particle." "Containment!" He looks over at the scientist, Dr. Katherine Henderson, (**Kathy**), Kathy reads off a computer screen. "We're capturing it, a hundred teraflops of data a second, Director. Activating the magnetic container."
- We see the great Atlas magnet (7 stories high) vibrating and suddenly a glowing focused beam of light from the magnet's center strikes out and hits Zach who is standing in the center of the floor. The boy glows and lifts off the ground then implodes on himself and disappears. (**It's a beam of 'God Particles' that is no longer focused on the magnetic container because the giant Atlas magnet is now misaligned**).
- There's a creaking sound in the control center as the room shutters and the Director throws a switch and the experiment shuts down. The control center they are working from is located on the surface directly above the Atlas chamber.
- In the control room the Director turns to where his son had been sitting and notices him missing.
- Everyone rushes down to the Atlas chamber door where the Director finally notices his missing access badge.
- The General uses his access badge and code access and the group of scientists enters the Atlas chamber.
- One of the scientists notices something strange about the giant magnet. It has sunk a foot into the reinforced concrete floor. (**high concentrations of the God Particles initially created by the test imparted a much**

greater mass to the magnet causing it to sink into the reinforced concrete floor. As the beam hit Zach and was absorbed by him turning him into a ghost what faint sample that remained, captured in the magnetic container had the opposite effect suddenly. Our God Particle has a very odd property that in low concentration the God Particle actually repulses other matter this cause the magnetic container to float because it is repelling all other matter like a magnet can float on the opposite pole of a magnet.)

- Lana fascinated by the glowing magnetic container disconnects the container from its housing and to everyone's amazement it floats.
- The General declares the Atlas chamber restrictive and off limits.
- Distraught, the Director starts to walk out. He trips and is grabbed by John Robinson, Head of Research Security, (John).
- John bends down and feels the concrete floor. There are noticeable indentations.
- Kathy removes a DG (density gradient) camera off the wall and points it toward the giant Atlas magnet. The concrete where the magnet has sunk into the ground shows up very bright on the display. She then points it down at the ground. We can clearly see small indentations in the concrete. They look like small footprints. They point away from the Atlas magnet and disappear at the wall. They grow less pronounced the farther away from the magnetic container glowing in the center of the giant Atlas magnet. **(What has happened is that the Zach ghost is physically drawn toward the container. His mass increasing the closer he and the God Particles he's composed of comes to the faint God Particles in the container. He had struggled to escape the gravitational attraction growing less dense until at the tunnel wall he disappears through it)**
- Kathy explains to John that this DG camera sends out a intercepting beams of energy at various wave lengths that sets up standing waves that the camera sees them as a gradient density from one area to the next.
- He notices that the footprints closer to the magnetic container are brighter. Kathy points out that the brighter footprints indicates a greater mass pressing into the concrete.
- A news report talks of a helium leak that has temporarily stop testing. **(real event that was the reported explanation why the LHC went off line last year)**
- Later John reports to the Director that there is no sign of his son Zach anywhere in the ATLAS facility.
- A news report covering up the truth talks of a helium leak that has temporarily shut down the accelerator. **(real event that was the reported explanation why the LHC went off line last year)**
- The General asks a technician how long will the machine be down. The technician shakes his head. "Don't know, looks pretty dead to me."
- Lana notices the Director's badge on the floor and picks it up and puts it in her pocket.
- The General sends a team down the 17 mile accelerator tunnel to check out it's integrity. He wishes to continue the experiment as soon as possible.
- The cameras in the tunnel go dead in the control room.
- The team of inspectors are mysteriously killed. Their bodies imploded.
- A ever increasing disturbed Director walks down the accelerator tunnel with John, Kathy and himself. Kathy carries a Density Gradient (DG) camera and they suddenly come across Zach's ghost. Zach's ghost stands in front of them and appears to be talking.
- In the control room Lana monitors their progress as the DG camera images that are coming across her computer screen.
- The Director tries to talk to Zach who can't seem to hear him.
- Stressed, Zach starts to merge into the floor like it is quicksand.
- Frustrated the Director takes a step forward. Zach moves away and begins to merge into the wall.
- Startled the Director leaps forward and touches the wall the ghost had just disappeared into and his hand is crushed. He screams in agony and as he drops to the ground Kathy rushes over to help him.
- In the control room Lana coldly records the entire incidence and zooms in on his disfigured hand.
- Days later Kathy and John visit the Director in the hospital in Geneva.
- They wake him from a disturbing sleep grabbing his crushed hand. He recalls his dream where people, plants and animals exploding as if they had suddenly caught fire from the inside. **(His vision/dream is of what would happen**

to biological life when exposed to the massive bursts of Gamma Rays caused by matter falling into a black hole now in the center of the earth as it begins to consume the world)

- The Director believes his son was trying to tell him something. Kathy points out that John can read lips. They bring up on a monitor the video recorded at the incident in the tunnel earlier. John reads Zach's lips and tells his father that he is scared, that a great danger is on the horizon, that the story is true.
- John asks what stories.
- Kathy starts to speak but the upset Director cuts in.
- The **Director** tells how he'd told his son about how dangerous being near the collider could be that it could break down biological cells. He obviously didn't convince his son of the danger.
- On the drive back **Katherine** looks worried and John sensing this stops off in a quaint restaurant.
- They get engrossed on the nature of man and the Universe and **Dr. Henderson** explains what others believe that what if the reason we haven't discovered life out there in the near Universe is because they reach a point in their technological evolution that they turn on one of these powerful accelerators and destroy themselves when they create a black hole.
- They see **General Campbell** and **Dr. Summers** at another table looking very cozy together.
- Wanting to examine the magnetic container holding 'The God Particles' **Security Chief John** and **Dr. Katherine Henderson** enter the giant Atlas chamber that has been declared a restrictive area by the General. In the middle of the room lays two very large metal suitcases. One is open, its molded interior would fit the magnetic container. There is blood on the ground and on the other case. John opens it and inside is the **General**, badly wounded but still alive.
- Coming down a set of stairs where the magnetic container housed they spot **Dr. Lana Summers**, a man carrying the container follows stands one level. **Dr. Summer** asks what they are doing here in the restrictive area.
- **John** and **Dr. Katherine Henderson** say that the Special Cameras from the research center has picked up the ghost down here.
- Dr. Henderson instantly pulls a gun and says those cameras were turned off.
- Another man walks high above across the scaffolding toward the magnetic container housing.
- **Dr. Summers** explains that this is the most perfect weapon, the ability to defy gravity. This (floating magnetic container) is the perfect proof to put a fire under America to finish the SSC (Super Conducting Super Collider) in Texas and use that technology to assure USA military dominance.
- She points the gun toward **John** and shoots him point blank in the chest. He drops to the ground. She then turns the gun on **Katherine**. We see images on the monitor back in the control room. In the monitor we see what's happening and we also see the ghost emerge from the wall and toward the woman with the gun and reaches a hand out touching the gun. It implodes. She drops it and tries to step back but before she can do anything else she grabs her chest that implodes as she dies.
- John groans on the floor he had a bullet proof vest and is alive.
- We see the Director arguing with **Assistant Director Dr. Dagan**. He's been put in charge by the **General** and the experiment is going to be repeated with the second giant magnet (CMS).
- There is an argument with the **Director, Katherine and John with Dr. Dagan**. The **Director** argues that by a chance accident mankind has a second chance at stopping that outcome.
- **Dr. Dagan** points out that it would take years to analysis the data. The General says he won't wait. This is to be his legacy.
- **Katherine** and **John** goes to the **General** who dismisses them.
- They talk to the doctors and learn that even though the General will recover from the shooting he is dying. The bullet had blown out his pancreas and he just has weeks to live.
- As the General and Dr Dagan ramp up to repeat the experiment. We find that the General has had all the monitors removed from the CMS chamber.
- It is night and **John** has a saturated of high explosives at a power relay station. He destroys the power station. In the control there is a drop in power. Dr. Dagan points this out to the General who then tells him to divert the entire city of Geneva's power to the experiment. **Dr. Dagan** pauses then complies. The countdown continues. The CMS

chamber is directly below the control room. The General leaves the control room and as he makes his way down the elevator shaft we hear him talk how he will survive. He will become a ghost like the boy.

- The **Director** sees the lights dim and then go back on. He shuts down his computer and gets out of bed.
- He confronts the **General** in the CMS Chamber. The **Director** breaks the magnetic container and a glow migrates to the ghost who glows visible. The Director says he loves the son. The General hears the particle accelerator coming on line and says he's not scared of the ghost since he will be one soon himself. The great CMS magnet starts to creak and everything starts to implode.
- The General grabs his chest and collapses dead.
- And above the control chamber collapses and from the night sky around Geneva the accelerator starts exploding around the great ring.
- Back with John and Katherine in the hills overlooking the LHC comments about what the future holds. With the city lights out, perhaps a candlelight dinner back at the restaurant they'd visited earlier.

General Background Information

The LHC is the world's largest and highest-energy [particle accelerator](#). The collider is contained in a circular tunnel, with a circumference of 27 kilometres (17 mi), at a depth ranging from 50 to 175 meters underground located around the city of Geneva Switzerland and France. The concrete-lined tunnel is 12.5 feet wide.

<http://en.wikipedia.org/wiki/LHC>

- What Has Particle Accelerators Contributed To The World

The World Wide Web (Internet) was created at CERN, the creation the silicon computer chip, X-ray, Medical MRI.

- CERN - European Organization for Nuclear Research

<http://en.wikipedia.org/wiki/CERN>

- Visual Picture of CERN

<http://en.wikipedia.org/wiki/File:CERN-aerial.jpg>

- Google Maps of CERN facility

http://maps.google.com/maps?f=q&source=s_q&hl=en&geocode=&q=cern,+switzerland&ll=49.343893,15.313379&sspn=0.05044,0.101967&q=cern&ie=UTF8&hq=&hnear=Large+Hadron+Collider&ll=46.23473,6.051611&spn=0.003347,0.006373&t=h&z=17

On an interesting note the United States started to create an even more powerful accelerator in Texas called the SSC (Super Conducting Super Collider) but America lost it's will and after about 4 billion dollars they canceled the project.

http://en.wikipedia.org/wiki/Superconducting_Super_Collider.

- Rumors About These Super Colliders

There are scientists that believe that at the energies these atom smashers attain has the potential of creating a black hole that would destroy the Earth.

- Experimental Areas Of The LHC

There are nearly a dozen areas which experiments are performed. Two experimental platforms, ATLAS and CMS consist of two Giant Magnets.

ATLAS, has a detector that's seven stories tall. ATLAS will be used to look for signs of new physics, including the origins of mass and extra dimensions http://en.wikipedia.org/wiki/ATLAS_experiment

CMS, heaviest magnet ever constructed. CMS will hunt for the Higgs boson and look for clues to the nature of dark matter.

http://en.wikipedia.org/wiki/Compact_Muon_Solenoid

- Real Back Story of LHC

The [Large Hadron Collider](#) (LHC) at [CERN](#) in [Geneva](#), which briefly came online on September 10, 2008 and was scheduled to become fully operational by late 2009 (now postponed due to several problems) is expected to provide

experimental evidence either confirming or refuting the Higgs boson's existence, dubbed 'The God Particle'. An accident in September 2008 has the LHC temporarily out of commission
Every one's motives converge in the climax.

- **What's Idea's Are Kept From Original Story**

- Boy Ghost
- Ghost Kills People
- Particle Accelerator creates the special particle
- Particle causes things to float
- Potential to use this as a weapon
- Protagonist plans to kill himself to become a ghost
- Investigator can read lips
- Ghost and parent finally dies