The Large Hadron Collider

How humanity’s biggest science experiment bears witness to God
Aerial view of LHC
17 Miles of Superconducting Magnets
The World’s Largest Silicon Tracking Detector
The LHC Bears Witness to God

• The expanding universe which the LHC is designed to investigate demonstrates the existence of a Creator

• The existence of the LHC demonstrates His infinite wisdom and creativity

• And the naturalistic philosophy dominating the investigation of the origin of the universe demonstrates the accuracy of God’s inspired word
The LHC Bears Witness to God

• The expanding universe which the LHC is designed to investigate demonstrates the existence of a Creator
Naturalistic philosophy assumes that we understand so much about the universe that there is no need for a creator...
The opposite is true!
The Expanding Universe

• Einstein
• Hubble
• Hoyle
The Expansion of the Universe
Two Questions regarding the Expanding Universe

• When did it begin?
• Why did it begin?
Uniformitarianism

"the fundamental principle or doctrine that geologic processes and natural laws now operating to modify the Earth's crust have acted in the same regular manner and with essentially the same intensity throughout geologic time, and that past geologic events can be explained by phenomena and forces observable today; the classical concept that 'the present is the key to the past'." (Robert Bates and Julia Jackson, *Glossary of Geology*, 2nd edition, American Geological Institute, 1980, pg. 677).
The Expansion of the Universe
A Math Problem

- Two trains on the same track headed in opposite directions:
  - Where will they be in one hour?
A Math Problem

• Two trains on the same track headed in opposite directions:
  • Where will they be in one hour?
    • $20+50+50 = 120$ miles apart
    • Simple math
A Math Problem

• Two trains on the same track headed in opposite directions:
  • Where were they one hour ago?

![Diagram showing two trains moving in opposite directions with a distance of 20 miles between them. The speed of each train is 50 MPH.](image)
A Major Problem!

• Two trains on the same track headed in opposite directions:
  • Where were they one hour ago?
    • 20 – 50 - 50 = - 80 miles apart?!
    • 12 minutes ago they passed right through each other?!
  • We know something else must have happened!
Two Questions regarding the Expanding Universe

• When did it begin?
• Why did it begin?
Why Did it Begin?

“Without any evidence associated with the earliest instant of the expansion, the Big Bang theory cannot and does not provide any explanation for such an initial condition, rather explaining the general evolution of the universe since that instant.” - http://en.wikipedia.org/wiki/Big_bang
Science historian Frederic B. Burnham observed that scientists consider the idea that God created the universe, "a more respectable hypothesis today than at any time in the last hundred years."

[In 1992,] Dr. Geoffrey Burbridge, of the University of California at San Diego, complain[ed] that many astronomers are rushing off to join what he calls "the First Church of Christ of the Big Bang."
Did the Big Bang Happen?

• Two trains on the same track headed in opposite directions:
  • Where were they one hour ago?
    • $20 - 50 - 50 = -80$ miles apart?!?
    • 12 minutes ago they passed right through each other?!?
    • We know something else must have happened!
Eyewitness Testimony

Genesis 1:1  In the beginning God created the heavens and the earth.

Exodus 20:11  For in six days the LORD made the heavens and the earth, the sea, and all that is in them, and rested the seventh day. Therefore the LORD blessed the Sabbath day and hallowed it.
Dr Arno Penzias, a scientist with Bell Labs whose microwave telescope data helped prove that the universe had a beginning, saw the philosophical significance in his discovery. "...(T)he best data we have," he said, "are exactly what I would have predicted, had I had nothing to go on but the five books of Moses, the Psalms, the Bible as a whole... (T)he creation of the universe is supported by all the observable data astronomy has produced so far."
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Naturalistic philosophy assumes that we are so far advanced scientifically, that we don’t need God

In fact, the opposite is true...
18’ x 24’ Wall of Particle Detectors
Full moon pulls LHC from its protons

by Pauline Gagnon
The Nobel Prize in Physics 2013 was awarded jointly to François Englert and Peter W. Higgs "for the theoretical discovery of a mechanism that contributes to our understanding of the origin of mass of subatomic particles, and which recently was confirmed through the discovery of the predicted fundamental particle, by the ATLAS and CMS experiments at CERN's Large Hadron Collider"
The LHC Demonstrates God’s Wisdom and Creativity

• If the universe has no cause or purpose, neither does anything in it
  • The universe has no meaning
  • Nothing man does has any meaning
A Creator-less Universe?

"Thanks, nature!" joked Fabiola Gianotti, the Italian physicist who heads the [LHC] team called ATLAS, with 3,000 scientists, drawing laughter from the crowd.
The LHC Demonstrates God’s Wisdom and Creativity

• If the universe has no cause or purpose, neither does anything in it
  • The universe has no meaning
  • Nothing man does has any meaning

• There is an alternative...
  • If God created the universe, then it has a purpose
  • And God is greater than anything in the universe
God’s Wisdom and Creativity

Psalms 19:1 The heavens declare the glory of God; And the firmament shows His handiwork.

Psalms 139:14 I will praise You, for I am fearfully and wonderfully made; Marvelous are Your works, And that my soul knows very well.
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Unbelievers assume that the fact that many of the best minds in science reject a supernatural explanation for the universe demonstrates that the Bible is wrong.

Actually, the opposite is true...
Beloved, I now write to you this second epistle (in both of which I stir up your pure minds by way of reminder), 2 that you may be mindful of the words which were spoken before by the holy prophets, and of the commandment of us, the apostles of the Lord and Savior, 3 knowing this first: that scoffers will come in the last days, walking according to their own lusts, 4 and saying, "Where is the promise of His coming? For since the fathers fell asleep, all things continue as they were from the beginning of creation."
Uniformitarianism fulfills Bible Prophecy

2 Peter 3:3-4 knowing this first: that scoffers will come in the last days... 4 ... saying, “... since the fathers fell asleep, all things continue as they were from the beginning of creation.”

Uniformitarianism - natural laws now operating have acted in the same regular manner and with essentially the same intensity throughout time, and past events can be explained by phenomena and forces observable today.
2 Peter 3:5-7

For this they willfully forget: that by the word of God the heavens were of old, and the earth standing out of water and in the water, 6 by which the world that then existed perished, being flooded with water. 7 But the heavens and the earth which are now preserved by the same word, are reserved for fire until the day of judgment and perdition of ungodly men.
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2 Peter 3:9-13

The Lord is not slack concerning His promise, as some count slackness, but is longsuffering toward us, not willing that any should perish but that all should come to repentance. 10 But the day of the Lord will come as a thief in the night, in which the heavens will pass away with a great noise, and the elements will melt with fervent heat; both the earth and the works that are in it will be burned up. 11 Therefore, since all these things will be dissolved, what manner of persons ought you to be in holy conduct and godliness, 12 looking for and hastening the coming of the day of God, because of which the heavens will be dissolved, being on fire, and the elements will melt with fervent heat?