

A Guide  
to Higgs  
Boson Major  
Research By  
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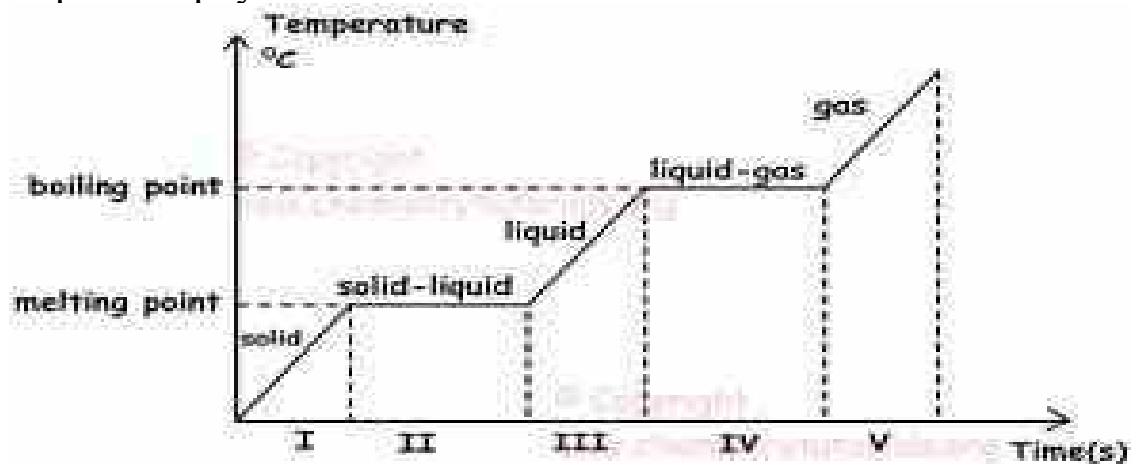
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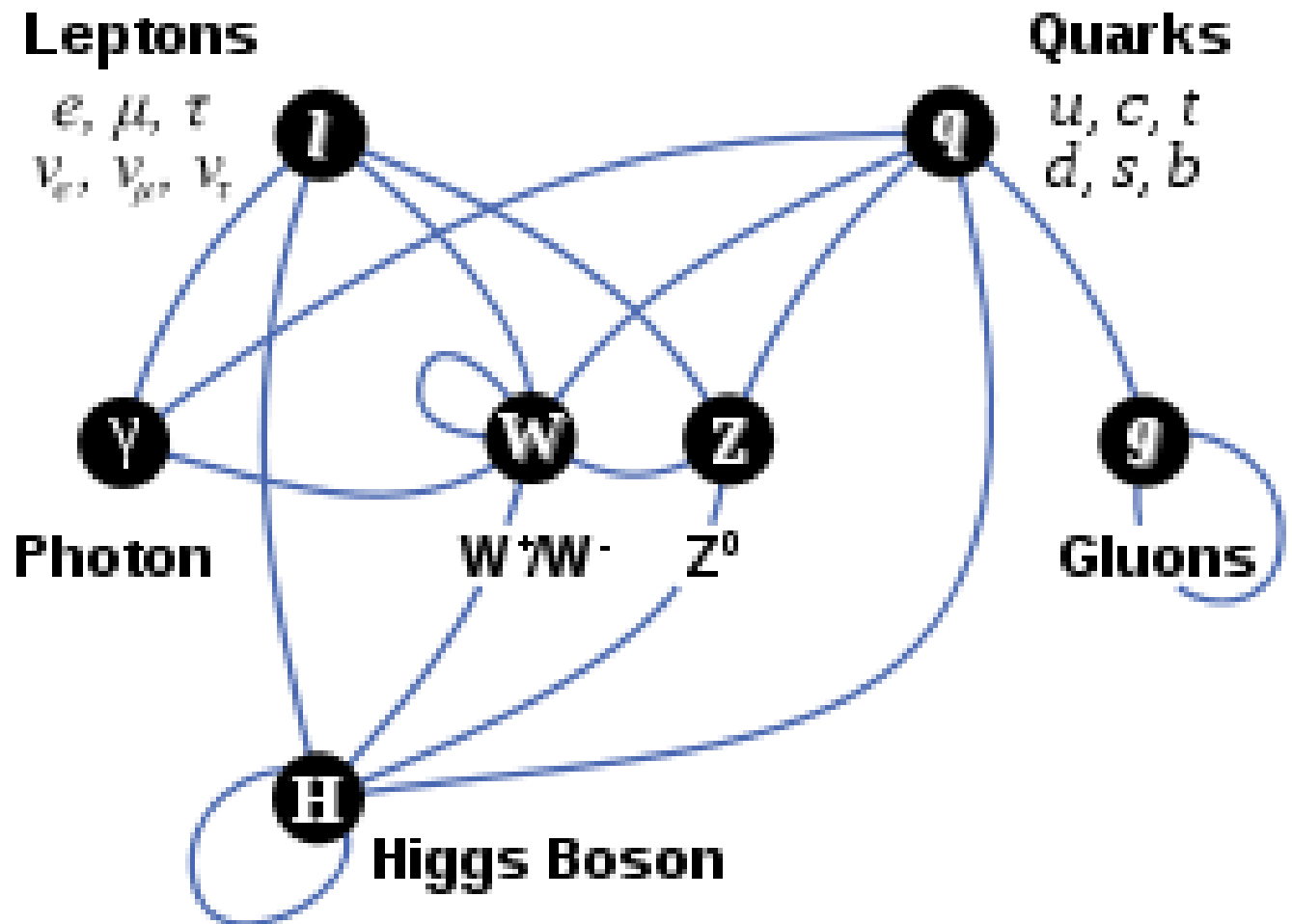
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## Higgs boson research

What is higgs boson? Higgs boson is the hypothetical massive scalar elementary particle predicted to exist by the standard model of particle physics



*If higgs particle theories are correct the higgs particle can be produced much like other experimental particles that can be studied. To produce higgs bosons two very large beams are accelerated and are allowed to collide in particle colliders. The higgs boson is often called the god particle because of the title of the book on higgs boson. Higgs boson is significant to science today because it is crucial for our understanding of matter. Higgs boson grants all elementary particles their mass. Without them they would spin around out of control at the speed of light. Each elementary particle acquires attributes by interacting with field or invisible entity. The fields are three dimensional and extend infinity. One example of field is the electromagnetic field. Higgs boson is an essential part of science because without it the standard would be disproved. It also proves that our understanding of the universe is correct.*



*It is subatomic particle that is part of the fundamental building blocks of the universe. Also higgs boson changes our view of the universe by creating new ingredients of nature.*

## HOW HIGGS BOSON IS RELEVANT TO MY THEORIES?

The standard basis of higgs boson is similar to my particle change theory which explains undiscovered particles give off unfamiliar energy spikes. The radiation levels would give off energy spikes higher or lower than the average particle. Also methods of detecting new energy sources are testing the frequency for different ranges. However the method would be devastating on the particle collider. One of the effects would be the energy frequency would overload the machine. A more safer way to test for this would be to set the scanner for unknown source of energy limiting the chance of system overloads. Higgs boson in my thoughts would be an unstable energy source. It could be ineffective study however its an important study for finding the origins of the universe.

## ANDREW MAGDY KAMAL'S INTAKE ON THIS:

The Higgs Boson may provide the theorization of God particles which existed even before cosmic radiation and is a particle known as existent in multiple galaxies, hence giving it the name. However, this can still be effective in providing the study of the universe because some of these particles existed before cosmic radiation, while our universe consisted after cosmic radiation. This belief can help us theorize that particles like these may or may not be an unstable energy sources. In my opinion there is a possibility that it is unstable and possibility that it isn't. However, I believe that it is much too risky to even try. This limits our research on the Higgs Boson. We may later be able to one day create a particle accelerator powerful enough to try, but this may require sources such as nanotubes or small amounts of einsteinium to even try. This fundamental will then limit research on the higgs boson for at least 50 year when technology becomes powerful enough.



## RESOURCES:

1. ^ [a b](#) ATLAS collaboration; Abajyan, T.; Abbott, B.; Abdallah, J.; Abdel Khalek, S.; Abdelalim, A.A.; Abdinov, O.; Aben, R. et al. (2012). "Observation of a New Particle in the Search for the Standard Model Higgs Boson with the ATLAS Detector at the LHC". *Physics Letters B* **716** (1): 1–29. [arXiv:1207.7214](#). [doi:10.1016/j.physletb.2012.08.020](#).
2. ^ Mureika, Jonas. "[Q&A: Prof. Jonas Mureika on the Higgs Boson](#)". [Loyola Marymount University](#) - "The Buzz: University News". [http://www.lmu.edu/Page85725.aspx](#). Retrieved 2012-12-09. "It's certainly a monumental milestone for physics"
3. ^ [a b c](#) Siegfried, Tom (2012-07-20). "[Higgs hysteria: Despite the hype, many aspects of the boson's real value to science and society went unstated](#)". *Science News*. [http://www.sciencenews.org/view/generic/id/342408/title/Blog\\_Higgs\\_hysteria](#). Retrieved 2012-12-09. "In terms usually reserved for athletic achievements, news reports described the finding as a monumental milestone in the history of science"
  - i. ^ [a b](#) "[CERN experiments observe particle consistent with long-sought Higgs boson](#)". CERN press release. 4 July 2012. [http://press.web.cern.ch/press/PressReleases/Releases2012/PR17.12E.html](#). Retrieved 4 July 2012