

GivenName FamilyName, student # 123456789

ESSAY 2: THE LARGE HADRON COLLIDER AND THE HIGGS BOSON

Dear Cousin Hilary,

Hi! We are learning some really cool things in my PHY197F course at UofT. I am writing to tell you about a giant subatomic physics machine near Geneva in Switzerland called the Large Hadron Collider (LHC), and about the long-anticipated discovery of the Higgs boson.

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What do particle physicists dream of finding next? Well, there are several options depending on your sense of taste as a physicist. Blah blah blah blah blah blah blah blah blah [5]. Blah blah blah blah blah blah blah blah. Blah blah blah blah blah blah blah blah. Blah blah blah blah blah blah blah blah. Blah blah blah blah blah blah blah blah blah. Blah blah blah blah blah blah blah blah.

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That's all for now about modern physics. Stay tuned until next time!

-- Cousin *Firstname*.

References

- [1] Brian Greene, "The Elegant Universe" (2nd ed, W.W.Norton, 2010), p.35.
 - [2] A.W. Peet, lecture notes Sep. 17th 2014, <https://ap.io/197f/notes/02/> (retrieved Feb.01, 2016).
 - [3] Exploratorium, "The Higgs Boson", <http://www.exploratorium.edu/origins/cern/ideas/higgs.html> (retrieved Sep. 23rd 2014).
 - [4] Dan Falk, "Universe on a T-Shirt" (Arcade reprint edition, 2013), p.87.
 - [5] A.W. Peet and Pekka Sinervo, "Big Questions All Wrapped Up in Small Packages: Beyond Einstein", <http://kiwi.to/stuff/199y-org/PeetSinervo.pdf> (retrieved Sep. 29th 2014).