

Re: Higgs and GR

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RichD wrote:

The main purpose of the LHC at CERN is to search for the Higgs boson.

I think the main purpose is to look for things not predicted by the Standard Model. Finding the Higgs boson wouldn't be very interesting, although studying its detailed properties might be.

I was wondering, what is the relationship between it and gravity, in GR?

None, I think. The Higgs interaction isn't the only source of mass in the Standard Model. Presumably the mass arising from it looks the same as any other kind of mass from a gravitational perspective.

What if Peter Higgs had died in infancy?

The particle would have a different name, but otherwise nothing would be different, I think. The idea occurred independently to several people around the same time.

-- Ben

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