

# Christopher Lester



**Graduate Institution:** University of Pennsylvania

**Location:** Philadelphia, PA

**Graduate Discipline:** High Energy Physics

**Hometown:** Marietta, GA

## **Research Interests:**

*I am interested broadly speaking in fundamental particles and their interactions. I have been involved in high energy hadron collider physics specifically in searching for rare interactions in the electroweak sector that involve multiple gauge bosons:  $W$ s  $Z$ s and Photons. Currently I am working on a project at the Collider Detector at Fermilab (CDF) investigating new methods for using the tau decay channel in searches for the Standard Model and Super-symmetric Higgs boson. I am also working on commissioning the TRT detector at ATLAS, where the University of Pennsylvania has a large presence. I will move out to Switzerland next year.*

## **About me:**

*I have always been interested in physics in one way or another though I spent a lot of time as undergraduate studying philosophy, mostly ethics, and German language and literature, with the hope of finding some interdisciplinary connections between them. I began research in High Energy Experiment as undergraduate before fully understanding the physics involved. Coursework at graduate school has been rewarding and long-anticipated and has confirmed my interest in the field from a theoretical standpoint. However, I am always interested in learning new ways of looking at problems and still believe in interdisciplinary and communication as an efficient and rich way of doing research. Currently I am enjoying life as a graduate student at the University of Pennsylvania. I work with a great group of scientists and students and am engaged in a variety of projects from detector maintenance and commissioning to physics analyses.*



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