

Studying Algorithms to Locate Proton-Proton Collisions in the ATLAS Experiment

Science Undergraduate Laboratory Internship (SULI) Fall 2017

Participant from Lawrence Berkeley National Laboratory



Ian and his mentor Ben discuss results from a recent analysis at the whiteboard.

Ian Lim

- Stanford University
- Mentors: Maurice Garcia-Sciveres, Benjamin Nachman
- Physics Division
- Physical Sciences Area
- SULI Fall 2017
- Aims to complete a Ph.D. in Physics and become a professor

"My work with ATLAS revealed an important difference between the two major methods used to do vertex reconstruction. By doing careful performance studies, we found that the newer method has some important drawbacks which were underappreciated in earlier reviews. Working with ATLAS has taught me more about the frontiers of experimental high-energy physics; it has given me a greater sense of what it means to contribute to a global enterprise of discovery."