



Contribution ID: 367

Type: **Parallel contribution**

Inclusive Search for Same-Sign Dileptons

Wednesday, August 10, 2011 5:10 PM (20 minutes)

We present an inclusive search for events with two isolated leptons (e or μ) of the same electric charge in pp collisions at $\sqrt{s} = 7$ TeV. The data are selected from events recorded in the ATLAS detector in 2011. With a small Standard Model background, the same sign dilepton signature is a powerful testing ground for new physics. The distributions of kinematical variables are presented, and compared to the Standard Model predictions.

Primary author: Mr CERIO, Benjamin (Physics Department-Duke University)

Presenter: Mr CERIO, Benjamin (Physics Department-Duke University)

Session Classification: Beyond the Standard Model

Track Classification: Beyond the Standard Model