SUSY 2015, 23rd International Conference on Supersymmetry and Unification of Fundamental Interactions

Contribution ID: **252** Type: **not specified**

Searches for leptoquarks and similar signatures with the ATLAS detector at the LHC

Thursday 27 August 2015 15:15 (15 minutes)

Leptoquarks are hypothetical particles with non-zero lepton and baryon numbers, predicted by many extensions of the Standard Model, and can provide an explanation for the similarity between the quark and lepton sectors. Searches for pair-produced scalar leptoquarks have been performed with final states including charged leptons. In this talk, recent ATLAS results on searches for leptoquarks and new particles with similar signatures using LHC Run 1 data are presented. First LHC Run-2 results will be included if available.

Author: KAMENSHCHIKOV, Andrey (Institute for High Energy Physics (RU))

Presenter: KAMENSHCHIKOV, Andrey (Institute for High Energy Physics (RU))

Session Classification: Alternative Theories

Track Classification: Alternative Theories