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Type: **Parallel Sessions**

Searches for vector-like quarks with the ATLAS detector

Friday 6 July 2012 14:00 (15 minutes)

Various extensions of the Standard Model predict the existence of new types of quarks. We report on several search channels such as vector-like quarks that couple to light quarks and Z or W bosons or new quarks decaying to Z boson and b quark. The talk presents results from searches for vector like quarks using the data sample recorded in 2011 at $\sqrt{s}=7$ TeV centre-of-mass energy by the ATLAS experiment at the LHC.

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Track Classification: Track 3 - BSM - Non-SUSY Exotics