

ICHEP2012



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## **Searches for new Physics in multileptons or like-sign leptons with the ATLAS detector**

*Friday 6 July 2012 17:45 (15 minutes)*

Events containing several leptons or two like-sign leptons are rarely produced in the Standard Model (SM), but occur with an enhanced rate in many models of new physics. We look for anomalous production of pair of prompt like sign leptons or events with three or more leptons using the full data sample recorded in 2011 at  $\sqrt{s}=7$  TeV centre-of-mass energy by the ATLAS experiment at the LHC.

**Author:** Dr LYTKEN, Else (Lund University (SE))

**Presenter:** Dr LYTKEN, Else (Lund University (SE))

**Session Classification:** Room 219 - Beyond the Standard Model SUSY / Non-SUSY - TR2&3

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