Contribution ID: **513** Type: **Poster Presentation**

Measurement of differential top-quark pair production cross sections in the dilepton final state at 8 TeV

Normalised differential top-quark pair production cross sections are measured in pp collisions at 8 TeV using the decay channels into two opposite-sign leptons (muons or electrons). The analysed dataset was recorded in 2012 and corresponds to an integrated luminosity of 12.2/fb. The tt cross section is measured differentially as a function of kinematic observables of the final state leptons, jets associated to b quarks, and the top quarks. A particle level definition of the top quark (pseudotop) is presented and the particle level tt cross-section is measured differentially as a function of the pseudotop quarks and pseudo-ttbar system

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Track Classification: Top and Electroweak Physics