## PLHC2011 - Physics at LHC 2011



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## Exclusive dimuon measurements with LHCb (15'+5')

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We report on studies of exclusive dimuon production, using LHCb experimental data. Muon pairs can be exclusively produced by two-photon fusion (a QED process ideally suited to obtaining a precise integrated luminosity measure), or by resonance production. We show results for exclusive dimuon production, and first observations of the exclusive J/Psi, Psi(2S) and Chi\_c states, obtained with 37 pb-1 of data at ,-sqrt(s) .= 7 TeV. We compare our cross-section mesasurements to predictions.

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