

## Double-parton scattering studies in 4-jet events with the CMS detector

*Thursday, 5 December 2013 15:30 (40 minutes)*

We present measurements of exclusive 4-jet production cross sections as a function of the transverse momentum, pseudorapidity, as well as of correlations in azimuthal angle and transverse momentum balance among the jets. The data sample was collected in proton-proton collisions at a centre-of-mass energy of 7 TeV with the CMS detector at the LHC, corresponding to an integrated luminosity of 36 /pb. The measured cross sections agree within uncertainties with the predictions of parton shower Monte Carlo event generators and with NLO calculations matched to parton showers. The study of the angular correlations between the four jets provide a useful baseline for future studies to investigate possible contributions from double parton scattering.

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**Session Classification:** MPI & Double Parton Scattering

**Track Classification:** MPI & Double Parton Scattering