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Precise Predictions to Divector Boson Production in Association with Jets at the LHC (15' + 5')

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The increase in energy and luminosity at the LHC during Run II allows for a detailed study of vector boson pair production in association with multiple jets. These type of processes can be exploited for measurements of gauge couplings, are connected to top-quark production and also appear in search channels of physics beyond the Standard Model. In this talk we present NLO QCD corrections to divector boson production in association with jets at hadron colliders. We show the impact of the quantum corrections for total rates of production and also differentially over phase space.

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