

# Top cross-section measurements with ATLAS

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## Please give a brief summary of your poster

Top quarks are expected to be produced copiously at the LHC, both in pairs and singly. The distinctive signatures of top-pair events, including leptons, high jet multiplicity, b-jets and missing energy mean that they should be easily observed in the first year of running, and also offer an excellent tool to understand and calibrate the initial detector performance. Single top events suffer from smaller cross-sections and larger background, so sophisticated analysis techniques and larger data samples are required to establish the signal. The prospects for early ATLAS measurements in both areas will be shown.

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