

Recent QCD results from ATLAS

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The ATLAS collaboration has performed studies of a wide range of QCD phenomena, from soft particle to hard photon and jet production. Recent soft QCD measurements include studies of underlying event, vector meson production and quark confinement effects. Differential measurements of inclusive and multi-jet production provide stringent tests of high-order QCD predictions and provide input for determination of parton density functions. Measurements of isolated inclusive and di-photon cross sections for high p_T photons test various theoretical predictions and constrain parton density functions. In addition the total $p\bar{p}$ cross section at 7 TeV, together with the elastic and inelastic contributions, is measured and compared to various models. An overview of these results is given.

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