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Diffraction and the Inelastic Cross Section measurements with ATLAS (15'+5')

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A measurement of the inelastic cross section for proton-proton collisions at 7 TeV centre-of-mass energy is presented. In addition the separate contributions of single- and double-diffractive dissociation are measured, and the differential cross section as a function of rapidity gap is presented.

Presenter: KEPKA, Oldrich (IP Prague)

Session Classification: 2F Parallel - Hard QCD and Diffractive