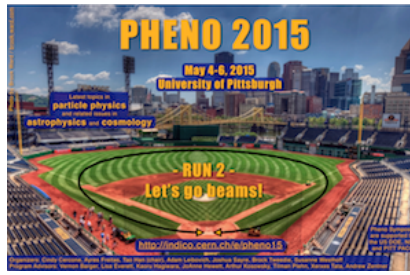


Phenomenology 2015 Symposium



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ATLAS measurements of vector boson production

Tuesday, 5 May 2015 17:30 (15 minutes)

Measurements of vector boson production allow tests of perturbative and non-perturbative QCD and of electroweak couplings, as well as being important backgrounds in measurements of Higgs properties and searches for new resonances. Six of the latest results from ATLAS in this area will be presented including measurements of the W cross-section in association with jets, which tests QCD in a multi-scale environment and the Z transverse momentum distribution, which is sensitive to soft resummation effects as well as hard jet emissions. The agreement with the latest theoretical predictions will be discussed.

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Track Classification: Standard Model