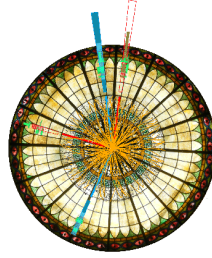


DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects

DIS 2015

XXIII International Workshop on
Deep-Inelastic Scattering and
Related Subjects

Dallas, Texas
April 27 – May 1, 2015



Contribution ID: 61

Type: not specified

Search for QCD Instanton-Induced Processes in Deep-Inelastic Scattering at HERA

Signals of QCD instanton-induced processes are searched for in deep-inelastic scattering at the electron-proton collider HERA in the kinematic region defined by the Bjorken-scaling variable $x > 10^{-3}$, the inelasticity $0.2 < y < 0.7$ and the photon virtuality $150 < Q^2 < 15000 \text{ GeV}^2$. The search is performed using H1 data corresponding to an integrated luminosity of 351 pb^{-1} . No evidence for the production of QCD instanton-induced events is observed and upper limit is set on the instanton cross-section at 95% confidence level.

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Track Classification: WG4 QCD and Hadronic Final States