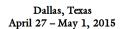
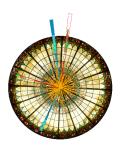
## DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects







Contribution ID: 61 Type: not specified

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

Signals of QCD instanton-induced processes are searched for in deep-inelastic scatter- ing 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 < Q2 < 15000 GeV2. The search is performed using H1 data corresponding to an inte- grated 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.

Author: H1, Collaboration (DESY)

Co-authors: DAUM, Karin (University of Wuppertal/DESY); SCHMITT, Stefan (Deutsches Elektronen-Syn-

chrotron (DE))

Presenter: H1, Collaboration (DESY)

Track Classification: WG4 QCD and Hadronic Final States