

## Excited QCD 2018



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## New HERA results on perturbative QCD

*Sunday 11 March 2018 19:00 (30 minutes)*

The H1 and ZEUS collaborations continue to produce final precision measurements of QCD physics. To achieve high precision measurements, data from both experiments have been combined leading to significantly reduced experimental uncertainties. The two collaborations recently obtained results on combination and QCD analysis of beauty and charm production cross section measurements in deep inelastic ep scattering. Also, new results on the first determination of  $\alpha_s$  from DIS jet data at NNLO from the H1 collaboration and studies of prompt photon production from the ZEUS collaboration are presented.

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