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## Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA

*Monday, 3 June 2019 16:00 (30 minutes)*

Measurement of open charm and beauty production cross sections in ep deep inelastic scattering (DIS) at HERA from the H1 and ZEUS Collaborations are combined. Reduced cross sections are obtained in a restricted kinematic range. Perturbative QCD calculations are compared to the combined data. Next-to-leading order QCD analysis is performed using these data together with combined inclusive HERA DIS cross sections. The running charm and beauty quark masses are determined.

### Summary

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