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## Charm final states at HERA

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Recent measurements of final states including charm hadrons observed at the HERA collider are presented. The H1 and ZEUS collaborations combined their *D* differential cross section measurements and reach precisions as good as 5-10%, whereas the theory uncertainties are much larger. Using the ZEUS experiment, *D* production was measured at different centre-of-mass energies. The production of *D*1 and *D*\*2 mesons were also measured. Charm fragmentation fractions were obtained for various charm hadrons and are found to be compatible with data collected at e+e- colliders. Finally, the production of inelastic *J*/ $\psi$  mesons in the hadronic final state is investigated.

### Summary

**Primary author(s)** : WING, Matthew (UCL); SCHMITT, Stefan (DESY)

**Presenter(s)** : Dr. SAUTER, Michel (ETH Zurich)

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