

# XX International Workshop on Deep-Inelastic Scattering and Related Subjects



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## Charm fragmentation fractions in Photoproduction

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The production of  $D^*$ ,  $D^+$ ,  $D^0$ ,  $D_s$  and  $\Lambda_c$  charm hadrons and their antiparticles in ep scattering at HERA was studied with the ZEUS detector using the full HERA II data set. The measurement has been performed in the photoproduction regime. The fractions of c quarks hadronising as a particular charm hadron,  $f(c \rightarrow D, \Lambda_c)$ , were derived in the visible kinematic range. The obtained fractions can be compared to previous results from HERA and to measurements from  $e^+e^-$  experiments.

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**Session Classification:** Heavy flavours

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