

## HEAVY FLAVOUR PRODUCTION AT HERA

*K. Daum*<sup>1,2</sup>

<sup>1</sup>University of Wuppertal  
(*Gaussstrasse 20, 42097 Wuppertal, Germany*),

<sup>2</sup>permanent address: DESY  
(*Notkestrasse 85, 22607 Hamburg, Germany*)

### S u m m a r y

Measurements on open charm and beauty production in ep-collisions at a center-of-mass energy of  $\sqrt{s} = 318$  GeV performed by the H1 and ZEUS experiments at HERA are presented. Final states containing charm are identified via reconstruction of  $D$ -mesons, while events containing muons and at least one jet were used to select beauty enriched data samples. The results cover the region of negative four-momentum transfer squared  $Q^2$  from photoproduction ( $Q^2 \approx 0$ ) to deep inelastic scattering at large  $Q^2$ . The experimental results are compared with QCD predictions.