

## Final States measurements at HERA

*Tuesday 18 August 2009 14:00 (1 minute)*

### Please give a brief summary of your poster

The poster summarizes new measurements of the hadronic final state in photoproduction and neutral current deep inelastic scattering (DIS) data collected with the H1 detector at HERA. The photoproduction analyses cover measurements of prompt photon cross-sections, production of light mesons ( $\rho(770)0$ ,  $K^*(892)0$  and  $\phi(1020)$ ), and a study of the underlying event based on charge particle multiplicities in jet data. In low  $Q^2$  DIS, strangeness production is studied through the production of  $K$ ,  $K^0$  and  $\Lambda$  baryons. A first measurement of the charge asymmetry in the hadronic final state in high  $Q^2$  DIS is presented. The different measurements are compared to Monte Carlo models with parton showers as well as fixed order calculations.

**Primary author:** Dr KNUTSSON, Albert (DESY)

**Presenter:** Dr KNUTSSON, Albert (DESY)

**Session Classification:** Poster Session