

Prompt photons in photoproduction at H1

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A measurement of prompt photons in photoproduction at the H1 detector is presented. Production of isolated photons with high transverse momentum can be well calculated in QED, but previous measurements have shown that higher order corrections are important. Furthermore there is a contribution from quark-to-photon fragmentation which has to be measured by the experiments. The analysis is based on data taken in the years 99-06 with a total integrated luminosity of 290 pb^{-1} . The experimental challenge is the separation of photons from background from neutral mesons which is dominating. The photon signal is extracted by combining different shower shape variables into a likelihood and fitting the background and photon fraction to the data. Inclusive cross sections will be presented as a function of the transverse energy ($5 < E_T^\gamma < 10 \text{ GeV}$) and the pseudorapidity ($-1 < \eta^\gamma < 0.9$).