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Study of the photon remnant in resolved photoproduction and low Q^2 processes at HERA.

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Using data taken with the H1 detector at HERA, events with jets in the final state are used to study the transverse momentum of the photon remnant in photoproduction and low-Q^2 ($1.4 < Q^2 < 25$ GeV^2) events in the region $x_\gamma < 0.75$, where x_γ gives a measure of the fractional momentum of the parton form the photon side. The average transverse momentum of the photon remnant in the $\gamma^* p$ system is found to increase weakly with Q^2 and with the scale of the hard process in both data samples. Different QCD Monte Carlo models are contrasted with the data.