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W/Z production at HERA

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A search for events containing an isolated electron or muon and missing transverse momentum produced in $e\pm p$ collisions is performed with the H1 and ZEUS detectors at HERA. The data were taken in the period 1994-2007 and correspond to an integrated luminosity of 0.98 fb^{-1} . The total single W boson production cross section is measured as $1.06 \pm 0.16 \text{ (stat.)} \pm 0.07 \text{ (sys.) pb}$, in agreement with a SM expectation of $1.26 \pm 0.19 \text{ pb}$. The production of Z0 bosons in ep collisions at HERA has been searched for and the resulting di-jet invariant mass distribution is presented for the selected event topologies.

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