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## Search for Single-Top Production in $ep$ Collisions at HERA

*Saturday 7 July 2012 18:00 (1 hour)*

A search for single-top production,  $ep \rightarrow e\bar{t}X$ , has been performed with the ZEUS detector at HERA using data corresponding to an integrated luminosity of  $0.37 \text{ fb}^{-1}$ . No evidence for top production was found, consistent with the expectation from the Standard Model. Limits were computed for single-top production via flavour changing neutral current transitions. The result was combined with a previous ZEUS result yielding a total luminosity of  $0.50 \text{ fb}^{-1}$ . A 95% credibility level upper limit of  $0.13 \text{ pb}$  was obtained for the cross section at the centre-of-mass energy of  $\sqrt{s}=315 \text{ GeV}$ .

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