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Beyond the Standard Model (experiment and theory)
CP violation and the CKM matrix
Experiment: L3 Collaboration
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Search for Single Top Production at LEP2

L3 Collaboration

Abstract

We report on the search for single top production in e^+e^- collisions, using the data corresponding to an integrated luminosity of 626 pb^{-1} collected by L3 at a centre of mass energy between 189 and 207 GeV. We present two independent analyses in the purely hadronic and semileptonic top decay channels. No evidence of single top production at LEP2 is obtained. Combining the results of both analyses, we quote the 95% confidence level upper limits on single top cross sections for $\sqrt{s}$ in the range 189-207 GeV.

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