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Search for Colour Reconnection Effects in $e^+e^- \to W^+W^- \to hadrons$ through Particle-Flow Studies at $\sqrt{s} = 189 - 208$ GeV

L3 Collaboration

Abstract

We report on preliminary studies of colour reconnection effects in hadronic decays of W pairs with the L3 detector. The analysis is based on the study of the particle and energy flow between jets associated to the same W boson and between two different W bosons in $qqqq$ events. The data sample corresponds to a luminosity of 627 pb^{-1} collected by the L3 detector during the years 1998-2000.

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