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Electroweak physics
Beyond the Standard Model (experiment and theory)
Experiment: L3 Collaboration
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Study of the $e^+e^- \to Ze^+e^-$ process with the L3 detector at LEP

L3 Collaboration

Abstract

Results are presented on the measurement of the cross section of the process $e^+e^- \to Ze^+e^-$ with the L3 detector at LEP. Data collected at centre-of-mass energies from 183 GeV up to 208 GeV, for a total of almost 0.7 fb^{-1} are analysed. A kinematic selection isolates this t-channel process, that includes Compton scattering diagrams, from a large background. The compatibility of the results with Standard Model calculations is discussed.

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