INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS
AMSTERDAM 2002

Abstract ID=ABS446
Electroweak physics
Beyond the Standard Model (experiment and theory)
Experiment: L3 Collaboration
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Preliminary Results on the Measurement of Triple-Gauge-Boson Couplings of the W Boson in e^+e^- interactions at LEP

L3 Collaboration

Abstract

We report preliminary results on the measurement of triple-gauge-boson couplings of the W boson in e^+e^- collisions at LEP. Using semi-leptonic W-pair events measured in the L3 detector at LEP, we determine the couplings g_1^Z, κ_γ, λ_γ, g_5^Z, λ_Z and κ_Z. The measurements are combined with results obtained from the study of single-W production.

Version 0
Date 2002-04-30 : 13:13:27'