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Measurement of the Z boson mass using Z decays in $e^+e^- \to Z\gamma$ events at LEP2 energies

L3 Collaboration

Abstract

Data taken with the L3 detector at centre-of-mass energies between 189 GeV and 208 GeV are used to measure the Z boson mass from Z decays. The data correspond to a total integrated luminosity of 627.33 pb^{-1}. The measured Z mass is found to be in good agreement with the Z mass determined at LEP 1.

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