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Hadron spectroscopy and exotics (experiment and theory)
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The $\pi^+\pi^-\pi^0$ resonance production in Two-Photon Collisions at LEP

L3 Collaboration

Abstract

The reaction $\gamma\gamma \to \pi^+\pi^-\pi^0$ has been studied with the L3 detector at LEP. The data collected at e^+e^- centre-of-mass energies from 183 GeV to 209 GeV correspond to a total integrated luminosity of 682.6 pb^{-1}. The result of the full energy dependent partial wave analysis in the mass region 0.65 - 2.25 GeV is presented. The reaction is dominated by the $a_2(1320)$ formation. Other resonance signals are also observed.

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