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Hadron spectroscopy and exotics (experiment and theory)

QCD: Soft interactions

Experiment: L3 Collaboration

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# The $\pi^+\pi^-\pi^0$ resonance production in Two-Photon Collisions at LEP

L3 Collaboration

## Abstract

The reaction  $\gamma\gamma \rightarrow \pi^+\pi^-\pi^0$  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  $\text{pb}^{-1}$ . 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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