INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS
AMSTERDAM 2002

Abstract ID=ABS493
QCD: Soft interactions
Hadron spectroscopy and exotics (experiment and theory)
Experiment: L3 Collaboration
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Measurement of the influence of the rho meson on Bose-Einstein correlations in hadronic Z decay

L3 Collaboration

Abstract

The lifetime of the rho meson is sufficiently long that pions from the rho can be regarded as coming from a larger source than those which are produced directly. This would affect the width of the Bose-Einstein correlation function. We investigate this using hadronic Z decay data of the L3 experiment at LEP. The results are preliminary.

Version 0
Date 2002-04-30 : 14:23:45'