

Abstract Submitted
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Measurement of the Photon Structure Function F_2^γ with the L3 Detector at LEP. GYONGYI BAKSAY, MARCUS HOHLMANN, Florida Institute of Technology, MARIA KIENZLE, University of Geneva, L3 COLLABORATION — The $e^+e^- \rightarrow e^+e^-$ hadrons reaction, where one of the two electrons is detected in a low polar-angle calorimeter, is analyzed in order to measure the hadronic photon structure function F_2^γ . The full high-energy and high-luminosity data set, collected with the L3 detector at centre-of-mass energies 189-209 GeV, corresponding to an integrated luminosity of 608 pb^{-1} is used. The Q^2 range 11-34 GeV^2 and the x range 0.006-0.556 are considered. The data are compared with recent parton density functions.

Gyongyi Baksay
Florida Institute of Technology

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