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Nota di contenuto	Preface; Committee; Contents; 1 Photon Structure; Measurement of the Hadronic Photon Structure Function $F_2^{\gamma}$ at LEP2; Study of the Hadronic Photon Structure Function with the DELPHI Detector at LEP; Measurement of the Charm Structure Function of the Photon at LEP; New Analysis of LO Parton Distributions of the Real Photon - Preliminary Results; The Structure of Real Photons at HERA; Structure of Virtual Photons at HERA; Charm and the Virtual Photon at HERA; Summary of the Structure Function Session at Photon 2001; 2 Jets and Inclusive Hadron Production Inclusive TTo and Kos Production in Two - Photon Collisions at LEP Fragmentation in Diffractive Deep Inelastic Scattering at HERA; Photoproduction of Neutral Strange Hadrons at ZEUS; Di-Jet Production in Photon-Photon Collisions at JSee from 189 to 209 GEV; A Measurement of the Dijet Cross Section in Two-Photon Collisions at LEP2; Measurement of Isolated Prompt Photon Production in Photon-Photon Collisions at Jsee = 183 - 209 GEV with the OPAL Detector at

LEP; Substructure of Jets at HERA; Measurement of  $Z/\gamma^*$  Production in Compton Scattering of Quasi-Real Photons  
Combining Next-to-Leading Order QCD Calculations and Parton Showers  
Interference Terms and Contribution of  $\gamma^*L$  in the Electron-Proton Collision; QCD Tests with Jets at HERA; 3 Charm and Beauty Production; Heavy Quark Production in  $\gamma\gamma$  Collisions; Inclusive  $D^*$ -Meson Production in Two-Photon Collisions at LEP; Inclusive  $J/\psi$  Production in Two-Photon Collisions at LEP; Heavy Flavour Production in Two-Photon Interactions; Heavy Quark Production at HERA in KT Factorization Supplemented with CCFM Evolution; Charm Production in Deep Inelastic Scattering and Diffraction at HERA  
Bottom Production at HERA  
Heavy-Flavoured Jets at HERA; 4 Total Cross-sections and Diffraction; Study of  $E+E^-$  Annihilation into Hadrons at VEPP-2M; Total Cross Section in Two-Photon Collisions at LEP; Total Cross-Section Measurement in  $\gamma\gamma$  Collisions at Very Low  $Q^2$  at LEP2; Impact Factors of Virtual Photons at NLO; Measurement of the Hadronic Cross-Section of Double Tagged  $\gamma\gamma$  Events at ALEPH; Double-Tag Events in Two-Photon Collisions at L3 Experiment; Measurement of the Hadronic Cross-Section for the Scattering of Two Virtual Photons at OPAL  
High-Energy Asymptotics of Photon-Photon Collisions in QCD  
Investigation of Pomeron- and Odderon-Induced Photoproduction of Mesons Decaying to Pure Multiphoton Final State at HERA; Diffractive  $\rho^0$  Production at HERMES; Diffraction at High and Low  $Q^2$  at HERA; Leading Baryon Production at HERA; Coherent Photon-Pomeron and Photon-Photon Interactions in Ultra-Peripheral Collisions at RHIC; Total Cross-Sections; 5 Resonances and Exclusive Channels; Cross Section Measurement of  $u$  Pair Production at  $\sqrt{s} = 161\text{-}208$  GeV in  $\gamma\gamma$  Collisions at LEP with L3  
Cross Section Measurement of  $T$  Pairs in Two-Photon Collisions with the L3 Detector at LEP2

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Sommario/riassunto

This volume reports on all aspects of high energy photon interactions using both photon and proton targets. Significant new results from the LEP and HERA experiments as well as from CLEO II and BELLE are presented. These data are confronted with diverse theoretical models. In particular, predictions of QCD in both the perturbative and the non-perturbative sector are extensively discussed. The prospects for gamma-gamma physics at future high energy colliders are also reviewed. In total 72 papers are collected. The proceedings have been selected for coverage in: Index to Scientific & Technica

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