

CONTENTS

MITTER, H., Opening Address.....	1
PIETSCHMANN, H., Elementary Introduction to Gauge Theories.....	5
CREWETHER, R.J., Effects of Topological Charge in Gauge Theories.....	47
SCHROER, B., Topological Methods for Gauge Theories....	155
DROUFFE, J.M., and ITZYKSON, C., Lattice Gauge Fields..	203
DE ANGELIS, G.F., DE FALCO, D., GUERRA, F., and MARRA, R., Gauge Fields on a Lattice (Selected Topics).....	205
FRITZSCH, H., Chromodynamic Theory of Hadrons.....	249
LLEWELLYN SMITH, C.H., Jets and QCD.....	331
KUMMER, W., Supersymmetry and Gauge Theories of Weak and Electromagnetic Interactions.....	399
THIRRING, W., Gauge Theories of Gravitation.....	439
DYDAK, F., High-Energy Neutrino Experiments.....	463
FABJAN, C.W., Hadron Induced Lepton Production.....	621
WOLF, G., Charm and Heavy Lepton Production by e^+e^- Interactions.....	677
BOGDANOWICZ, J., Analysis of T-violation without Assumed CPT.....	853
BOGDANOWICZ, J., K_S^0 Decays and Lorentz Invariance.....	855
BUCCELLA, F., LUSIGNOLI, M., and PUGLIESE, A., A Unified Gauge Theory without μ -e Universality....	857
DRÜHL, K., Classical Limit for Arbitrary Commutation Relations.....	861
HEINZ, U., Nonlocal Properties of Fermionic Matter in Strong Gravitational Fields.....	863

LENGYEL, V.I., Low-Energy π N- and NN-Scattering in Chiral Dynamics with the Use of Superpropagators...	865
PRESNAJDER, P., Remarks on Vacuum Structure of Yang-Mills Theory.....	867
RAYSKI, J., Multi-Dimensional Unified Theory.....	869
RAYSKI, J.M., Jr., Remarks on Symanzik's Approach to Nonrenormalizable Theories.....	871
URBANTKE, H., A Quasi-Metric Associated with SU(2) Yang-Mills Fields.....	875
WYLY, J.K., Observable Consequences of Spontaneously Broken Non-Abelian Symmetries.....	877
MITTER, H., Summary.....	883