CONTENTS

International Symposium $pn\Lambda 50$: The Jubilee of the Sakata Model

Preface M. Harada, Y. Ohnuki, S. Sawada and K. Yamawaki	i
Opening Address Shin-ichi Yamamoto	v
Shoichi Sakata: His Life, the Sakata Model and His Achievements	
Morris Low	1
Generation Mixing in the Sakata-Nagoya Model Kazuhiko Nishijima Perspectives on Unification in View of Neutrino Mass	9
Rabindra N. Mohapatra	16
Flavor Physics and Nagoya — The Past 50 Years A. I. Sanda	26
The Sakata Model and the Progress of the Theory of Elementary Particles	
Ken-iti Matumoto	36
Mesotron Decays and the Role of Anomalies William A. Bardeen	44
The Sakata Model and the Birth of $U(3)$ Symmetry $-A$ Personal	
Recollection — Yoshio Ohnuki	53
Renormalization of QED and Its Experimental Tests over 60 Years	
Toichiro Kinoshita	62
The Conformal Template and New Perspectives for Quantum	
Chromodynamics Stanley J. Brodsky	76
Duality and Electric Dipole Moment of Magnetic Monopole	
Makoto Kobayashi	95
Nonperturbative Physics at Short Distances V. I. Zakharov	105
Learning from Sakata's Physics and Philosophy Shoji Sawada	116
Walking over the Composites — In the Spirit of Sakata —	
Koichi Yamawaki	127
Models for Confinement Gerard 't Hooft	144
From Sakata Model to Goldberg-Ne'eman Quarks and Nambu QCD	
Phenomenology and "Right" and "Wrong" Experiments	
Harry J. Lipkin	155
The Impact of the Sakata Model L. B. Okun	163
My Memories of Sakata-Sensei	175
Program	vii
List of Participants	ix
Author Index	xii