

CONTENTS

Preface

vii

Session I

- Nucleon Resonances in Nuclei **3**
T. Udagawa

- Physics at the LISS Facility **15**
J. M. Cameron

- Research at COSY **23**
K. Sistemich

Session II

- Efficient Production of Low-Energy Positrons at SPring-8 **37**
K. Soutome

- Extraction of GeV Photons with Laser Beam at SPring-8 **40**
*M. Fujiwara, T. Hotta, T. Kinashi, T. Nakano, K. Takanashi,
S. Hasegawa, T. Iwata, K. Okamoto, T. Murakami, J. Tamii,
Y. Yosoi, K. Maeda, T. Tamae, K. Maruyama, S. Date,
M. M. Obuti, Y. Ohashi, H. Ohkuma and N. Kumagai*

- Glueball Hunt in ϕ Photoproduction **48**
T. Nakano and H. Toki

- ϕ Photoproductions at SPring-8 **55**
T. Kinashi, K. Takanashi, M. Fujiwara, T. Hotta and T. Nakano

Session III

The DHG Sum Rule Measured with Medium Energy Photons	65
<i>K. Hicks, K. Ardashev, D. Babusci, M. Blecher, A. Caracappa, A. Cichocki, C. Commeaux, A. D'Angelo, R. Deininger, J.-P. Didelez, G. Giordano, S. Hoblit, P. Hoffmann-Rothe, A. Honig, M. Khandaker, O. Kistner, A. Kuczewski, A. Lewis, R. Lindgren, M. Lowry, M. Lucas, G. Matone, L. Miceli, T. Nakano, B. Noturn, A. Opper, B. Preedom, A. Sandorfi, C. Schaerf, H. Stroher, J. Tonnison, C. Thorn, K. Wang, X. Wei and S. Whisnant</i>	

Instantons and Monopoles for Nonperturbative QCD	74
<i>H. Suganuma, F. Araki, M. Fukushima, H. Ichie, Y. Koma, S. Sasaki, A. Tanaka, H. Toki and S. Umisedo</i>	
High Resolution Study of Hypernuclei — Tohoku Collaboration at TJNAF	86
<i>K. Maeda</i>	

Session IV

Color Transparency with Electron and Hadron Beams	95
<i>K. Yazaki, T. Iwama and A. Kohama</i>	
Nuclear Transparency in a Relativistic Quark Model	104
<i>A. Kohama, T. Iwama and K. Yazaki</i>	
Eta-Meson Light Nucleus Scattering and Charge Symmetry Breaking	111
<i>S. A. Sofianos, S. A. Rakityansky and M. Braun</i>	
Suppression of πNN^* Coupling in the QCD Sum Rule	117
<i>D. Jido, M. Oka and A. Hosaka</i>	

Session V

RI Beam Factory and the Physics in RIKEN	125 .
<i>I. Tanihata</i>	

Clustering and Single Particle Features in Unstable Nuclei H. Horiuchi, Y. Kanada-En'yo and A. Doté	137
Nuclear Structure Physics at RI Beam Factory T. Otsuka	147
Session VI	
Study of Giant Resonances in Stable and Unstable Nuclei in Relativistic RPA with Non-linear Interactions Z. Ma, H. Toki and N. van Giai	163
Relativistic Nuclear Scattering and Meson Exchange Interactions T. Kohmura	173
Session VII	
A Rigorous Ellis-Jaffe Sum Rule A. W. Thomas, S. D. Bass, R. J. Crewther and F. M. Steffens	183
Session VIII	
Japan Hadron Facility T. Fukuda	195
Particle Physics at Japan Hadron Facility Y. Kuno	206
Session IX	
Search for Evidence of Deconfinement and Chiral Symmetry Restoration at STAR L. Ray	219
Strangeness Production in Relativistic Heavy Ion Experiments S. D. Paganis	229

Session X

Quark–Gluon Plasma — A New State of Matter <i>B. Sinha</i>	241
Antiquark Flavor Asymmetry with New Accelerator Facilities <i>S. Kumano</i>	255
Recent Nuclear Physics Research at IMP <i>G. Jin</i>	261
Concluding Remark <i>H. Toki</i>	277
Program	282
List of Participants	285