Proceedings of the
XXIV International Conference on

Physics in Collision

Boston, Massachusetts
June 27-29, 2004

edited by
Ulrich Heintz
Boston University

eConf C0406271
Committees

International Advisory Committee
J. A. Appel (FNAL)
B. Aubert (LAPP Annecy)
G. Barreira (LIP Lisbon)
G. Bellini (Milano University and INFN)
A. Bettini (Padova University and INFN)
J. M. Brom (IReS Strasbourg)
H. Castilla (CINVESTAV Mexico)
F. L. Fabbri (Laboratori di Frascati, INFN)
B. Foster (Oxford University)
R. S. Galik (Cornell University)
A. T. Goshaw (Duke University)
J. Grunhaus (Tel Aviv University)
U Heintz (Boston University), chair
S. B. Kim (Seoul National University)
E. E. Kluge (Heidelberg University)
Y. Kuno (Osaka University)
L. Littenberg (BNL)
W. Lohmann (DESY)
B. Naroska (Hamburg University and DESY)
V. Simak (Czech Academy of Sciences)
N. A. Skrinsky (Novosibirsk)
D. Su (SLAC)
R. Voss (CERN)
H. D. Wahl (Florida State University)

Local Organizing Committee at BU
C. Brossman
J. M. Butler
U. Heintz (chair)
E. Kearns
M. Narain
Invited speakers review and update key topics in elementary particle physics with the aim of encouraging informal discussions on new experimental results and their implications.

Conference poster session: abstracts from all participants are welcome.

Local Organizing Committee

J. M. Butler
U. Heintz, Chair
E. Kearns
M. Narain

Boston, Massachusetts, USA
June 27–29, 2004
http://physics.bu.edu/pic2004/
Preface

Boston University hosted the XXIV International Conference on Physics in Collision on June 27-29, 2004. In the spirit of the Physics in Collision series, the conference consisted of a series of plenary talks. The sessions took place in the Photonics Center on the Boston University Campus.

The speakers were charged with reviewing the status of their field with emphasis on recent developments. Over the course of three days, twenty-six speakers gave an exciting and broad review of the field of particle physics. The topics covered ranged from the physics of the strong and electroweak interactions to astrophysics and cosmology. The talks were augmented by eleven posters presented by junior researchers in the field, covering their specific work in greater detail. The presentations were well received by the 75 participants. The social program included a reception in Boston University’s Castle, a tour of Boston, and a New England Lobster Bake at the Boston Museum of Science.

I would like to take this opportunity to thank all speakers and poster presenters for their work in preparing their presentations, especially also for following up with their contributions to these proceedings. The international advisory committee deserves much credit for defining the scientific program and for selecting and inviting this excellent cast of speakers.

The local organization of this conference would not have been possible without the dedicated work of Cynthia Brossman and I would like to thank her as well as her assistant Stephanie Lofland and all the other Boston University students who helped out as scientific secretaries.

Financial support for the conference was generously provided by the U.S. Department of Energy and the U.S. National Science Foundation for which I also want to express my gratitude. This support enabled us to keep registration fees affordable and to sponsor a large number of junior researchers to attend the conference.

Ulrich Heintz
(for the local organizing committee)