

B FACTORY SYMPOSIUM

October 27, 2008

Vidalakis Hall, Schwab Residential Center
Stanford University

Morning Program

PEP-II and BABAR

Session I

Chair: Pier Oddone

- 8:15 AM Welcome Persis Drell
8:25 The DOE Perspective on the B Factory Dennis Kovar

PEP-II and BABAR

- 8:40 Why Did We Need a B Factory? Helen Quinn
9:05 The Accelerator Challenge - from 10^{32} to 10^{34} to 10^{36} Jonathan Dorfan
9:35 Designing and Building PEP-II John Seeman
10:00 Meeting PEP-II's High Performance Targets H.-Ulrich Wienands
10:20 The PEP-II/BABAR Interface: The Interaction Region Michael Sullivan
10:40 Coffee Break

Session II

Chair: David MacFarlane

- 11:00 Designing BABAR: The Collaboration and the Detector David Hitlin
11:30 Turning BABAR into a Physics Machine A.J. Stewart Smith
12:00 Computing Challenges for BABAR Gregory Dubois-Felsmann
12:30 PM Lunch

Afternoon Program

The Mark on Physics

2:00 PM Session III

Chair: Abolhassan Jawahery

- The International Connection David W. G.S. Leith

The Mark on Physics

- 2:15 CP Violation Physics at BABAR: $\sin 2\beta$ Soeren Prell
2:40 CP Violation Physics at BABAR: α and γ Christophe Yèche
3:05 Quark Mixing at BABAR Klaus Schubert
3:30 BABAR's Search for New Physics Steven Playfer
3:55 New Particles at BABAR Christopher Hearty
4:20 Coffee Break

Session IV

Chair: Francois Le Diberder

- 4:50 The Future of Heavy Flavor Physics Marcello Giorgi
5:20 What Have We Learned? What Will We Learn? Yossi Nir
6:00 Reception
7:30 PM Dinner@Mings

