Program for FPCP 2002

Wednesday Evening May 15th

Reception for Registration

6:00-8:00 Bodek Lounge, Houston Hall, Penn Campus (Light Refreshments)

Thursday Morning May 16th

Logan Hall Room 17 (center of campus)

8:00-8:25 Pastries, coffee, and tea
8:30-8:40 Welcome – N. Lockyer (Penn)
8:40-8:45 Conference Proceedings – R. Oldeman (Penn)
8:45-8:55 Introduction – A. I. Sanda (Nagoya) and K. Schubert (Dresden)

Present status of CKM parameters [35 min]

Session Chair: S. Smith (Princeton)

9:00-9:25 An experimentalist's review of the CKM parameters – A. Hoecker (LAL-Orsay) [25 min]

Indirect CP violation [160 min]

9:35-9:55 $\sin 2\beta$ from BABAR – S. Rahatlou (UCSD) [20 min]

10:00-10:25 *Break (beverages provided)*

10:30-10:50 $\sin 2\phi_1$ from BELLE – M. Hazumi (KEK) [20 min]

10:55-11:10 Theory: New physics in $B \to J/\Psi K^*$ – R. Sinha (Madras) [15 min]
11:15-11:30 Theory: New physics in $B \to J/\Psi K^*$ – T. Mannel (Karlsruhe) [15 min]

11:35-1:50 *Break for Lunch (not provided)*

Thursday Afternoon May 16th
Logan Hall Room 17

Session Chair: A. I. Sanda (Nagoya)

2:00-2:20 $\sin 2\phi_2$ from BELLE – E. Won (Seoul) [20 min]
2:25-2:45 $\sin 2\alpha$ from BABAR – P. Dauncey (Imperial College) [20 min]
2:50-3:05 Theory: Penguin pollution in $B \to \pi\pi$ – N. Sinha (Madras) [15 min]

Recent results in theories of hadronic B decay [80 min]

Recent results from the theories of hadronic B decays:

3:10-3:25 QCD factorization – M. Beneke (Aachen) [15 min]
3:30-3:45 Charming penguins – M. Ciuchini (Rome) [15 min]

3:50-4:10 *Break (beverages provided)*

Session Chair: G. Bonneaud (Paris)

4:15-4:30 PQCD – H. N. Li (National Taiwan University) [15 min]
4:35-4:50 Soft-collinear effective theory (SCET) – I. Stewart (Washington) [15 min]

Experimental Results from the Tevatron and LEP [75 min]

4:55-5:15 Status of CDF – R. Hughes (Ohio State) [20 min]
5:20-5:40 Status of D0 – R. Van Kooten (Indiana) [20 min]
5:45-6:05 New results on B_s mixing from LEP – S. Armstrong (CERN) [20 min]

Evening Entertainment in Amado Recital Hall Irvine Auditorium

8:00-8:30 Reception (beverages provided)
8:30-10:00 Musical Trio: Time 4 Three (Curtis Institute)

Friday Morning May 17th
Logan Hall Room 17

8:00-8:25 Pastries, coffee, and tea

Session Chair: V. Luth (SLAC)

8:30-8:55 Cosmology – A. Kusenko (UCLA/BNL) [25 min]

Branching Ratios and Direct CP Violation [60 min]

9:00-9:25 Review of BR and DCPV results for Quasi 2-body – A. Bondar (BINP) [25 min])
9:30-9:55 Review of rare two-body B decays (e.g., $K\pi$) – R. Bartoldus (Iowa) [25 min]

Theory: New ideas about CP in B decays and CKM determination [40 min]

10:00-10:15 New methods for getting at α and γ – D. Atwood (Iowa State) [15 min]
10:20-10:35 New method for measuring α using $B \to K^*\overline{K}^*$ D. London (Montreal) [15 min]

10:40-11:10 *Break (beverages provided)*

Recent Hot Results from B Factories [80 min]

Session Chair: K. Schubert (Dresden)

11:15-11:30 BABAR New results on rare charmless decays: $B{\to}\eta'(K, K^*)$ and $B{\to}h^+h^-h^+$ – V. Shelkov (LBNL) [15 min]
11:35-11:50 BABAR New results on rare leptonic B decays – V. Halyo (SLAC) [15 min]
11:55-12:10 BELLE $B{\to}Khh$ – A. Garmash (KEK) [15 min]
12:15-12:30 BELLE $B{\to}\omega K$ $B{\to}\eta' K$ – K. F. Chen (NTU) [15 min]

12:30-1:50 *Break for Lunch (not provided)*

Friday Afternoon May 17th
Logan Hall Room 17

Charm Physics I [110 min]

Session Chair: J. Appel (FNAL)

2:00-2:25 Theory: Review of charm physics – G. Burdman (LBNL) [25 min]

2:30-2:45 Charm Lifetimes and $D^0\overline{D^0}$ Mixing – P. Pakhlov (ITEP) [15 min]
2:50-3:05 Spectroscopy from Heavy Flavor Decay – I. Bediaga (Brazil) [15 min]
3:10-3:25 Charm Baryons – J. Yelton (Florida) [15 min]
3:30-3:45 New Results on Rare Charm Decays – W. Johns (Vanderbilt) [15 min]

3:50-4:25 *Break (beverages provided)*

Future Experiments in Heavy Flavor Physics [80 min]

Session Chair: M. Artuso (Syracuse)

4:30-4:45 CLEO-c – I. Shipsey (Purdue) [15 min]
4:50-5:05 LHCb – G. Carboni (Rome 2) [15 min]
5:10-5:25 BTeV – J. C. Wang (Syracuse) [15 min]
5:30-5:45 Super B Factory – D. Hitlin (Caltech) [15 min]

Banquet at University Museum

6:00-7:00 Reception
7:00-10:30 Banquet (After dinner speaker: Anthropologist Professor Alan Mann)

Saturday Morning May 18th
Logan Hall Room 17

8:00-8:25 Pastries, coffee and tea

Neutrino and Kaon Physics [70 min]

Session Chair: K. Abe (KEK)

8:30-9:00 CP violation in the neutrino sector – B. Kayser (Fermilab)[30 min]
9:05-9:35 Kaon Physics – D. Bryman (British Columbia) [30 min]

9:40-10:20 *Break (beverages provided)*

Theoretical Developments in V_{cb} and V_{ub} [50 min]

Session Chair: S. Olsen (Hawaii)

10:25-10:40 $\mathcal{F}(1)$ from lattice QCD – A. Kronfeld (Fermilab) [15 min])
10:45-11:10 Theory for V_{ub} determination – M. Luke (Toronto) [25 min]

B Decays [80 min]

11:15-11:35 Open Charm decays ($B \to D\overline{D}, D^*D$ etc.) mini summary – Y. Kolomensky (Berkeley/LBNL) [20 min]
11:40-12:00 $B\to$ Charmonium mini summary – F. Fang (Hawaii) [20 min]
12:05-12:30 V_{ub}, V_{cb} from semileptonic decays mini summary – K. Ecklund (Cornell) [25 min]

12:30-1:50 *Break for Lunch (not provided)*

Saturday Afternoon May 18th
Logan Hall Room 17

Radiative B Decays [85 min]

Session Chair: G. W. S. Hou (NTU)

2:00-2:20 $b \to s\gamma$ and $b \to d\gamma$ mini review – E. Thorndike (Rochester) [20 min]
2:25-2:40 $B \to Kl^+l^-$ from BELLE – K. Senyo (Nagoya) [15 min]
2:45-3:00 $B \to Kl^+l^-$ from BABAR – J Walsh (Pisa) [15 min]
3:05-3:20 Theory: New Physics with $b \to s\gamma$ decays – D. Pirjol (UCSD) [15 min]

3:25-4:00 *Break (beverages provided)*

Charm Physics II [60 min]

Session Chair: H. Jawahery (Maryland)

4:00-4:15 Review of CP in D Decays – M. Selen (Illinois) [15 min]
4:20-4:35 Semileptonic Charm Decays– J. Wiss (Illinois) [15 min]
4:40-4:55 Theory: D^0-$\overline{D^0}$ mixing – A. Petrov (Wayne State) [15 min]

Conference Summary and Adieu [55 min]

5:00-5:40 Conference Summary – R. Patterson (Cornell) [40 min]
5:45-5:55 FPCP 2003 in Paris – G. Bonneaud (Paris) [10 min]

End of Conference

Sunday May 19th

10:30-3:30 Barnes Foundation (Timed tickets provided to those that have registered)