LP99 Scientific Program

Monday, August 9, 1999

09:00 Welcome	Richard Taylor (SLAC)
Reports from the B Factories	Chair: Richard Taylor
09:10 CESR/CLEO	Klaus Honscheid (Ohio State)
09:30 KEKB/Belle	Fumihiko Takasaki (KEK)
09:50 PEP–II/BaBar	Jonathan Dorfan (SLAC)
10:10 HERA–B	Michael Medinnis (DESY-Zeuthen)
10:30 Tevatron	Manfred Paulini (LBNL)
10:50 Coffee Break	
Heavy Quark Physics	Chair: Karl Berkelman (Cornell)
11:20 Heavy Quark Decays	Ronald Poling (Minnesota)
12:05 Heavy Quark Lifetimes, Mixing, and CP Violation	Guy Blaylock (Massachusetts)
12:50 Lunch Break	
Direct CP Violation	Chair: Fred Gilman (Carnegie-Mellon)
14:50 ϵ'/ϵ Results from KTeV	Edward Blucher (Chicago)
15:20 ϵ'/ϵ Results from NA48	Giles Barr (CERN)
15:50 DAΦNE/KLOE Status Report	Sergio Bertolucci (INFN, Frascati)
16:10 Coffee Break	
Physics of Flavor	Chair: Martin Perl (SLAC)
16:30 Rare K Decays	William Molzon (Irvine)
17:00 Tau Physics	Antonio Pich (Valencia)
17:30 B Decays, the Unitarity Triangle, and the Universe	Adam Falk (Johns Hopkins)

18:30 Rodin Garden Reception and Museum Tour

Tuesday, August 10, 1999

Neutrinos I		Chair: Sakue Yamada (KEK)
08:45	Solar Neutrinos	Yoichiro Suzuki (Tokyo)
09:30	Atmospheric Neutrinos	Anthony Mann (Tufts)
10:15	*Coffee Break*	
Neutrinos II		Chair: Luciano Maiani (CERN)
10:45	Accelerator and Reactor Neutrino Experiments	Luigi DiLella (CERN)
11:30	Neutrino Mass and Oscillations	Hamish Robertson (Washington)
12:15	*Lunch Break*	
Precision Electroweak I		Chair: Erwin Gabathuler (Liverpool)
14:15	Precision EW at the Z	Morris Swartz (Johns Hopkins)
14:45	Precision EW at Hadron Machines	Mark Lancaster (LBNL)
15:15	Precision EW at LEP 2	David Charlton (Birmingham)
15:45	*Coffee Break*	
Precision Electroweak II		Chair: He Sheng Chen (IHEP, Beijing)
16:15	R in Low Energy e^+e^-	Zhengguo Zhao (IHEP, Beijing)
16:45	New Results on $(g-2)$	Lee Roberts (Boston University)
17:15	Ten Years of Precision Electroweak Physics	Alberto Sirlin (New York University)
19:00	*Concert at Memorial Church - Chanticleer*	

Wednesday, August 11, 1999

Excursion Day

Thursday, August 12, 1999

Matter and Energy in the Universe		Chair: John Peoples (FNAL)
08:45	Dark Matter Searches	Bernard Sadoulet (Berkeley)
09:30	Status of Cosmological Parameters	Saul Perlmutter (LBNL)
10:15	*Coffee Break*	
Searches for New Phenomena		Chair: Sau Lan Wu (Wisconsin)
10:45	New Particle Searches	Vanina Ruhlmann-Kleider (CEA, Saclay)
11:30	Beyond-Standard-Model Models and Theories	Gian Giudice (CERN)
12:15	*Lunch Break*	
Structure Within Particles I		Chair: Albrecht Wagner (DESY)
14:15	IUPAP	Barry Barish (Caltech)
14:25	ICFA	Hirotaka Sugawara (KEK)
14:35	Structure Functions and Deep Inelastic Scattering	Max Klein (DESY-Zeuthen)
15:20	Diffraction and the Pomeron	Halina Abramowicz (Tel Aviv)
16:05	*Coffee Break*	
Structure Within Particles II		Chair: Mikhail Danilov (ITEP, Moscow)
16:35	Spin Structure of the Nucleon	Gerhard Mallot (CERN)
17:05	Structure of the Photon	Jonathan Butterworth (London)
17:35	Rare Φ Decays and Exotic Hadrons	Sergei Serednyakov (Budker INP)
Public Lecture		
20:00	*The Elegant Universe: Superstrings, Hidden Dimensions, and the Quest for the Ultimate Theory*	*Brian Greene (Columbia University)*

Friday, August 13, 1999

QCD Phenomena		Chair: Michel Davier (Paris-Sud)
08:45	Fragmentation and Hadronization	Bryan Webber (Cambridge)
09:30	Tests of Perturbative QCD and Jet Physics	John Womersley (FNAL)
10:15	*Coffee Break*	
QCD Theory		Chair: Ahmed Ali (DESY)
10:45	Applications of QCD	Martin Beneke (CERN)
11:30	Lattice Calculations and Hadron Physics	Sinya Aoki (Tsukuba)
12:15	*Lunch Break*	
Poster Session and Tours at SLAC		
14:15	*Poster Session and Tours*	
18:00	*Reception and BBQ Dinner*	

Saturday, August 14, 1999

Cosmology and Astrophysics		Chair: Elliott Bloom (SLAC)
08:45	High Energy Particles from the Universe	Rene Ong (Chicago)
09:30	Cosmic Microwave Background Anisotropies	Scott Dodelson (FNAL)
10:15	*Coffee Break*	
Future Accelerators		Chair: Hirotaka Sugawara (KEK)
10:45	Physics Needs for Future Accelerators	Joseph Lykken (FNAL)
11:30	R&D Progress for Future Linear Colliders	Gustav-Adolf Voss (DESY)
12:15	*Lunch Break*	
Looking to the Future		Chair: John Jaros (SLAC)
14:15	Toward Very High Energy Colliders	Jonathan Wurtele (LBNL)
15:00	Gravity, Particle Physic, and Their Unification	Juan Maldacena (Harvard)
15:45	Assessment and Outlook	Burton Richter (SLAC)