Program Schedule
1994 US-CERN-KEK Topical Course
"Frontiers of Accelerator Technology"
November 3 - 9, 1994

Time	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
0830		Opening Remarks *Sugawara*	Cryogenic Systems *Lebrun*	Vacuum Systems *Mathewson*		RF Feedback Systems *Pedersen*	Instrumentation Pickups & Diagnostics *Caspers*	Induction Linacs and Pulsed Power *Caporaso*
0915								
0915		SC Magnets I *Scanlan*	SC Magnets II *Shintomi*	FELs High Power/ Bunching *Hiramatsu*		Higher Order Mode Damping *Yamazaki*	Beam Alignment *Mayoud*	Halos in Linacs and Rings *Jameson*
1000								
		Break				Break		
1030		SC Cavities I *Weingarten*	SC Cavities II *Noguchi*	High Power RF Sources *Granatstein*		Beam Feedback Systems *Lambertson*	Final Focus Diagnostics *Shintake*	Novel High Gradient Accelerators *Skrinsky*
1115								
1115		Photocathodes (e-sources) *Nakanishi*	Ion Sources (H+,H- Heavy Ions) *Mori*	Wigglers and Undulators *Kitamura*		Computer-based Feedback *Himel*	Beam Emittance Preservation *Guignard*	Technology Perspectives and Closing Remarks *Peoples*
1200								
		Break		Free Afternoon		Break		
1500		HF SC Magnets				HF SC Magnets cont'd.		
		High Gradient Linacs				High Gradient Linacs cont'd.		
		SC RF Tech.				SC RF Tech. cont'd.		
1700	Registration *(5 -9 p.m.)*	Instr/Beam Feedback				Instr/Beam Feedback cont'd.		
		Break				Break		
1730		Seminar Applications of Synch. Rad. *Ishii*	Seminar Med & Ind ... Applications *Barbalat*			Seminar Gov/Industry & Accels. *Roche*	Round Table Accelerator Technology Frontier *Grunder*, Chair	
1830		Evening Meal *(see information sheet for details)*						
1900	Reception *(7 - 9 p.m.)*							
1930								
2000							Banquet	

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Lectures

Superconducting Magnets I High Fields and Uniformity	R. Scanlan, LBL
Superconducting Magnets II AC Effects, etc.	T. Shintomi, KEK
Superconducting Cavities I Basics	TBA
Superconducting Cavities II Couplers, etc.	S. Noguchi, KEK
Cryogenic Systems	P. Lebrun, CERN
Vacuum Systems	A.G.Mathewson, CERN
RF Feedback Systems Beam Loading	F. Pedersen, CERN
Computer-Based Feedback and Correction Models	T. Himel, SLAC
Beam Feedback Systems	G. Lambertson, LBL
Instrumentation-Pickups and Diagnostics	F. Caspers, CERN
Higher Order Mode Damping	Y. Yamazaki,KEK
High Power RF Sources	V. Granatstein Univ.Maryland
FELs - High Power and Bunching	S. Hiramatsu, KEK
Photocathodes: e^- Sources	T. Nakanishi,KEK
Ion Sources H^+, H^-, Heavy Ions	Y. Mori, KEK
Wigglers and Undulators	H. Kitamura,KEK
Induction Linacs and Pulsed Power	G. Caporaso LLNL
Halos in Linacs and Rings	R. Jameson,LANL
Beam Emittance Preservation in Linear Collider Systems	G. Guignard, CERN
Beam Alignment	M. Mayoud,CERN
Final Focus Diagnostics	T. Shintake,KEK
Novel High Gradient Accelerators	A. Skrinsky, Novosibirsk

Short Course

High Field Superconducting Magnets
A. Devred, Saclay

Design of High Gradient Linacs
H. Henke, Univ. of Berlin

Issues in Superconducting RF Technology
H. Padamsee, Cornell University

Instrumentation and Beam Feedback
G. Jackson, FNAL/R. Siemann, SLAC

Seminars

Applications of Synchrotron Radiation
T. Ishii, University of Tokyo

Medical, Industrial and Other Applications of Accelerators
O. Barbalat, CERN

Government/Industry and Accelerators
C. Roche, CERN

The Accelerator Technology Frontier (Round Table)
H. Grunder, CEBAF (Chair)

Special Talks

Opening Remarks
H. Sugawara, KEK

Perspectives on the Future Development of Technology and Closing Remarks
J. Peoples, FNAL

Internationalism in Technology Development (Banquet Speaker)
TBA