

Joint US-CERN School on Particle Accelerators

sponsored by the

CERN Accelerator School
US Particle Accelerator School
Universidad de Sevilla

October 29 - November 4, 1992 in Benlmadena, Spain

Frontiers of Particle Beams:

Factories with e^+e^- Rings

Program

Physics Motivation	A. DeRujula
Basic Collider Physics	D.L. Rubin
How to Reach High Luminosity	Y. Baconnier
Steps on the Path to High Luminosity	L. Rivkin
Factory Design	
ϕ	C. Biscari
τ -c	C. Willmott
B	M.S. Zisman
Z	G. Guignard
Lattice and IR	
ϕ Factories	C. Pellegrini
τ -c Factories	J. Jowett
B Factories	A. Garren
Z Factories	E. Keil
Injection	J. LeDuff
Vacuum	N. Mistry
Ion Trapping and Clearing	A. Poncet
Background and Shielding	R. Ehrlich
Short Bunches I	P. Morton
Short Bunches II	J.M. Wang
Multibunch Instabilities	F. Pederson
Feedback	R.D. Kohaupt
RF Design - Fundamental	P. Wilson
RF Design - Higher Order	E. Haeberl
Beam-Beam Interaction I, II	R. Siemann
Seminars	
Special Schemes	A. Skrinsky
B-Factories in Japan	S. Kurokawa
Detectors for ϕ , τ -c, B	J. Kirkby
Factories Worldwide (US-View)	M. Witherell

Round Table: How Far Off is 10^{35} ?

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