

Second International Accelerator School for Linear Colliders



Contribution ID: 4

Type: **not specified**

Lecture 3 –Damping ring I

Wednesday, 3 October 2007 09:00 (3 hours)

- Role of damping rings

- High-level overview of structure, and principles of operation

- Review of basic linear beam dynamics

- Damping ring lattice

- Radiation damping (derivation of damping times, and the need for a damping wiggler in LC damping rings)

- Quantum excitation and equilibrium beam

Presenter: WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Session Classification: Morning Session