

Linear Colliders

Friday 14 March 2008 11:00 (1h 30m)

Quest for new physics at the Terascale

Synchrotron radiation: origin, formalism, circular accelerators, electron light sources

Elements of linear collider: e⁻, e⁺ source, damping ring, bunch compression, linac, final focus

Linear accelerator: standing waves vs travelling wave accelerating structures, particle acceleration, beam dynamics, tolerances

Luminosity, ILC project

Primary author: Dr ELSEN, Eckhard (DESY)

Presenter: Dr ELSEN, Eckhard (DESY)

Session Classification: Lectures