

Linear Colliders

Wednesday 12 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

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Session Classification: Lectures