



Contribution ID: 30

Type: **not specified**

Linacs

Wednesday 12 March 2025 10:15 (1 hour)

In this lecture we review the fundamental principles of a linear accelerator, we look at different types of RF structures both in the TE and TM mode and we discuss their use at different velocities and/or charge over mass. We also discuss basic principles of dynamics (transverse and longitudinal phase advance) during acceleration. The lecture builds on examples taken by the present and past hadron linacs at CERN.

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