



Contribution ID: 4

Type: **not specified**

## Introduction to accelerators

*Monday 15 October 2012 14:30 (1 hour)*

- Brief history of accelerators
- Electron and ion sources, linear accelerators, synchrotron
- Beam properties:
  - Equation of motion
  - Concept of beam emittance
  - Beam size, bunch length and other parameters to be measured
- rf cavity/laser analogies

**Presenter:** Prof. WELSCH, Carsten (University of Liverpool)