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Introduction to accelerators

Monday 15 October 2012 14:30 (1 hour)

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

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