

ASP2014

Report of Abstracts

Abstract ID : **130**

Beam Diagnostics, Emittance Measurements

Abstract content

Status: The lectures are divided into 2 parts: In the first one will describe the different sensors used in particle accelerators: Faraday Cups, Scintillating screens, Wire Scanners and Grids, Current Transformers, BPMs A short description of the way they work and their interaction with the beam is given. In the second part I will come back to beam parameters described in the lectures on beam dynamics (emittance, tune) and I will show how the instruments are used to measure these beam properties. Example plots from different accelerators will be shown.

Summary

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Status: SUBMITTED

Submitted by **MUANZA, Steve Guy** on **Monday 04 August 2014**