

## **Bunch by bunch beam instrumentation**

*Wednesday 8 December 2010 11:00 (30 minutes)*

This talk describes the LHC bunch by bunch beam instrumentation. The status of all the different systems are reviewed: Wire scanner, Synchrotron light monitor, Beam Position monitor, Schottky monitor, BCT, Wall current monitor, Longitudinal density monitors and Luminosity monitors. The achieved performances in 2010 and the already known limitations of both the hardware and the software will be discussed. The plans for upgrades in 2011 will finally be presented.

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**Session Classification:** Session 3: Beam diagnostics and feedback systems