

Beam Instrumentation

Tuesday, January 26, 2016 5:45 PM (30 minutes)

20' + 10'

<P>The dependability of many beam instrumentation systems directly impact the operational efficiency of the CERN accelerator complex and the LHC in particular. While some are connected to the Beam Interlock System and have been designed with this in mind, others provide data essential for machine optimization, the absence of which can also potentially affect the availability of the beam. This presentation will take a look at these systems and will be composed of two main parts. The first part will be an analysis of the 2015 performance for all instruments impacting beam availability, with the second part showing the strategy being followed by the BE-BI Group to ensure dependability, showing what has already been implemented and highlighting what needs to be improved to guarantee the high quality performance of these systems in the future.</P>

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Session Classification: Sessions 3 & 4: LHC Hardware Performance