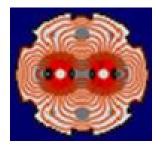
Workshop Chamonix XIV



Contribution ID: 26

Type: oral

Beam instrumentation other than BLMs linked to the machine protection system

Thursday 20 January 2005 16:40 (20 minutes)

The beam loss monitoring system will be the main instrument charged with detecting and acting upon the majority of failures that could lead to quenches or damage. In a few cases, however, additional instrumentation is required to protect the machine. Three such systems will be discussed along with their proposed implementation,namely: the beam dump channel position interlock in IR6, a fast orbit drift interlock and a fast loss interlock using beam current transformers. For many types of failures these systems would also be a back-up to beam loss monitoring thus inceasing the overall reliability of the machine protection system.

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Session Classification: Session 8 - Machine Protection Issues affecting Beam Commissioning

Track Classification: Machine Protection Issues affecting Beam Commissioning