



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 increasing the overall reliability of the machine protection system.

**Primary author:** Dr JONES, Rhodri (CERN)

**Presenter:** Dr JONES, Rhodri (CERN)

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

**Track Classification:** Machine Protection Issues affecting Beam Commissioning