

The LHC Machine interface; Status - Challenges - Outlook

Monday 12 September 2005 15:00 (45 minutes)

The impact of particle losses on the operation of the LHC machine and experiments will be discussed. It will be shown how the risk of radiation induced failure to equipment can be reduced via shielding, radiation tolerant equipment designs and on-line radiation monitoring. A number of critical cases for the LHC Machine Experiments interface will be highlighted. Recent data on beam induced backgrounds and radiation at CDF (Fermilab) will be shown.

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Session Classification: Plenary session P1

Track Classification: Radiation and Magnetic Tolerant Components and Systems