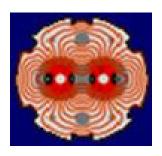
## Workshop Chamonix XIV



Contribution ID: 51 Type: not specified

## How the magnetic measurements and the Reference Magnet System (RMS) will be used for commissioning?

Thursday 20 January 2005 11:00 (20 minutes)

The talk gives a summary of data (and their location) as is planned to be collected

in warm and cold conditions in the various LHC magnets. This data can and shall be

made available for start-up. I will present a view on how the data can be used, in

practice, to prepare for injection, forecast ramps of the main magnets and

correctors. To achieve this we need information from standard tests, that provide

information on magnets field quality to be compared directly to production

specifications and for characterization of the static behaviours, as well as extended

tests that are presently performed on a one-by-one basis to ascertain scalings in the

injection behaviour, and to verify long term changes. One of the matters presently

investigated is snap-back scaling that could provide accurate forecast at the

beginning of the ramp. I will detail on this. Finally, as most of these ideas were

discussed at the July RMS review, I will give a status of the related activities.

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Session Classification: Session 7 - Magnet Issues affecting Beam Commissioning

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