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Measurements of the combined function PS magnet.

In the context of the PS machine used as one of the injector for the LHC, it is important to know the magnetic field quality of the main combined function dipoles under the new LHC currents. A series of field maps have been undertaken using a new magnetic measurement stand with Hall probes. The variation of the Eddy current along the magnet is evaluated. Magnetic shims identical to the one installed for the ejection 16 to the SPS have been installed and their effects to the central orbit and to the ejection line measured.

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