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Report from the Magnet Polarity Coordinator

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The presentation will cover the polarity definitions and the conventions in the different coordinate systems used for beam tracking, field computation and magnetic measurements. In particular the definition of what a skew dipole magnet is, could lead to misunderstanding. Continuity problems in the spool piece bus bars which could affect corrector magnet polarity are addressed. The polarity of the main magnets with diodes has been verified relying only on Ampere's law. The next steps will be the verification of the polarities in the insertion magnets (and in particular those which are installed in the tunnel with their connections pointing downstream of beam 1), the polarity of BI equipment, the handling of non-conformities etc.

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