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## SOLEIL II BPMs development progress

*Tuesday 13 May 2025 12:00 (30 minutes)*

Three different types of Beam Position Monitors will equip SOLEIL II storage ring. To ensure consistent signal levels across varying pipe diameters, two button sizes were selected: 6 mm diameter buttons for 16 mm beam pipes, and 7 mm diameter buttons for the 20 mm and 24 mm sections. Electromagnetic and thermal simulations have been conducted to validate the proposed designs. In parallel, prototypes have been tested on the existing machine to confirm the simulation results and validate the design. This presentation summarizes the simulation outcomes and the initial test results obtained from the current machine.

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