

Future Fast Orbit Feedback for SOLEIL

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BPM electronics at SOLEIL also embed the FOFB communication and computation.

As these electronics come to an obsolescence, we aim at a new orbit feedback system.

A dedicated standalone microTCA based platform is envisioned for this new system. This new architecture composed of cell and central nodes will (among other tasks) collect the BPM data, compute and send to the correctors the appropriate settings to correct the beam orbit.

In this speedtalk, we'll present the planned architecture, the considered equipments and the first tests to validate these choices.

Summary

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