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Digital Board Development for Elettra 2.0 eBPM

Tuesday 20 June 2023 12:00 (30 minutes)

Beam position monitors (BPMs) are fundamental diagnostic tools for lightsources: thanks to their data readout, machine orbit can be stabilised and corrected by control systems. New generation machines need better performances on these diagnostic devices due to increased demands, such as smaller photon beam size and long-term stability. This contribution will focus on the development of the digital carrier board for the new electron beam position monitoring system of Elettra 2.0, showing difficulties faced during the design and the debugging phase.

Summary

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