

Fast Orbit Feedback Hardware for the Sirius Light Source

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Sirius Fast Orbit Feedback (FOFB) system came into regular operation for users in November 2022. Its hardware architecture makes extensive use of MicroTCA.4 resources such as backplane clocks, triggers, multigigabit communication and RTM slot for supplying current to the fast corrector magnets.

An overview of the hardware components of the system, including BPMs, FOFB Controllers and Power Supplies will be presented, emphasizing the updates on the last AMC FMC Carrier and RTM-LAMP (FOFB power supply) hardware releases. The designs are publicly available under an open hardware license.

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