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Type: Poster Presentation

Design strategy of the Frontend Blade X-ray Beam Position Monitors (FEXBPM) based on the MAX IV experience.

Wednesday 10 September 2025 16:00 (2 hours)

An overview of performance and operation of Blade FEXBPMs installed at the MAX IV R3 storage ring frontends will be presented.

FEXBPM design, position calibration techniques, normalization to the storage ring current, resolution and some deficiencies of the operation will be discussed.

Suggestions for design strategy of the Blade FEXBPMs and overall improvements of the FEXBPM based on extensive Blade FEXBPM signal modeling will be presented.

Footnotes

Funding Agency

I have read and accept the Conference Policies

Yes

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