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Bunch by bunch feedback systems review

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Bunch-by-bunch feedback systems have become essential components of high-energy particle accelerators, particularly for ultra-low emittance rings. These systems have been widely used in accelerator facilities to ensure beam quality and to apply them to extensions such as beam diagnostics or manipulation. Bunch-by-bunch feedback systems include various hardware components and related technologies, ranging from fast digital signal processing to high power radiofrequency devices.

This talk would be an overview of the bunch by bunch feedback systems and present the outcome and conclusions of the iFAST Workshop hosted by KIT in March 2024.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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