

The development and application of digital BPM signal processor at SSRF

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At SSRF, we have been developing digital BPM signal processors (DBPM) for more than 10 years. The DBPM sampling at about 120MHz already applied on Dalian Coherent Light Source, Shanghai Soft X-ray FEL, and SSRF for beam position measurement. Now, we are developing higher performance DBPM running at about 500MHz, which can be used for bunch-by-bunch BPM measurement for SSRF storage ring. The development and status of the DBPM will be introduced.

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