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The design of Beam Position Monitor of Wu Han Photon Source

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As a 4th generation synchrotron radiation source, Wuhan Photon Source has stringent requirements on BPM resolution and longitudinal coupling impedance. An optimized button BPM design for its 1.5 GeV diffraction-limit storage ring is presented. Systematic effects caused by material and structure variations in BPM on longitudinal coupling impedance are also studied, which will benefit the future design of similar type BPMs.

Footnotes

Funding Agency

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Yes

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