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Broad band impedance effects on Elettra 2.0

Monday 8 May 2023 16:30 (2 hours)

Due to the reduced diameters of the vacuum chambers and of the other equipment, the performance of the next generation light sources can be greatly affected resulting in a reduction of the intensity in both single and multi-bunch operations. This is particularly important for Elettra 2.0 since there are plans to incorporate bunch compression schemes for providing very short photon pulses. In this study, the resistive wall and single bunch instabilities are investigated by tracking in order to define their thresholds.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

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