Erratum: Emittance Preservation in an Aberration-Free Active Plasma Lens [Phys. Rev. Lett. 121, 194801 (2018)]

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It was recently discovered that the calibration of the toroids used to measure beam charge in this experiment was wrong by exactly a factor 10; i.e., the charge values quoted in the Letter were 10 times smaller than the true values. This implies that the charge during transverse offset scans (Fig. 2) was 50–70 pC per bunch (instead of 5–7 pC), and the charge during emittance measurements (Fig. 3) was 20 pC per bunch (instead of 2 pC).

This recalibration has no impact on the conclusions of the Letter since the charge in each measurement was adjusted specifically to avoid interference from plasma wakefields. However, the increased charge values are of interest as they imply emittance preservation for an order of magnitude more intense particle bunches.

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