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A Python API for the particle tracking code PLACET

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The tracking code PLACET is widely used in the linear collider community to simulate the beam dynamics. It is a powerful tool for analyzing the static and dynamic imperfections in the lattice and has many built-in correction techniques. The original PLACET code was written in C with a TCL interface. Detailed data analysis including plotting is often performed with other programming languages, primarily Python. This paper describes the project of the Python application programming interface (API) for PLACET.

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Footnotes

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Yes

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