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## Statistical Parameter Fluctuation of Random Processes

Wednesday, 10 May 2023 16:30 (2 hours)

The question we try to answer in this paper is: what is the standard error of using particle tracking result to represent the real beam parameters? Or how much confidence do we have when we say that the tracking gives the correct theoretical prediction? Particle tracking or numerical simulation in general is used by accelerator physicists every day and we believe this question needs a definite answer.

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Footnotes

## I have read and accept the Privacy Policy Statement

Yes

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