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## Parallel prediction of beam spot with neural networks and PCA at TTX

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

At TTX, we try to use machine learning to give the virtual detection of the beam spot. The prediction of beam spot is difficult when the dimension becomes larger. We try to use PCA to make it smaller and use Neural networks to predict it. However, the weight of different dimension varies widely. We predict them parallel and get good results with easy neural networks.

### Funding Agency

### Footnotes

### I have read and accept the Privacy Policy Statement

Yes

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