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## The beam orbit reconstruction in the linac of CSNS

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In the high current hadron machine, it is essential to reduce the beam loss along the machine for machine maintenance and safety reasons. The linac of Chinese Spallation Neutron Source(CSNS) delivery negative hydrogen bunches with power of 5kW to the RCS which increase the power to 100kW. In the following several years, the power of the linac beam will be increased to 100kW, therefor it is important to deal the beam loss more carefully. In this paper, we present the reconstruction of the beam orbit along the linac using beam tracking software with the input data measured with BPMs. This kind of reconstruction is expected to provide suggestions for the future machine tuning.

### Footnotes

### Funding Agency

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Yes

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