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Stripped electron collection for CSNS-II

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For the China Spallation Neutron Source (CSNS), during the injection process, there are some stripped electrons. Because of their low energy, small number of particles, and wide distribution, we had not used an electron catcher to collect the stripped electrons for CSNS-I. However, for CSNS-II, the number of stripped electrons becomes large and the energy increases. Then, an electron catcher will be needed to collect the stripped electrons. In this paper, we will conduct an in-depth study of the stripped electrons and propose a stripped electron collection scheme.

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Footnotes

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