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## SPS-II beam Injection using a non-linear kicker

*Tuesday 3 June 2025 16:00 (2 hours)*

SPS-II is the fourth generation electron storage ring in Thailand. Medium size ring constructed with Double-Triple Bend Achromat (DTBA) cell provides low emittance and high capacity for beamline. To complement the compact storage ring with DTBA cell, a Non-Linear Kicker (NLK) was chosen for beam injection due to its simplicity and minimal perturbation to the stored beam. In this paper, injection dynamics and optimization will be discussed.

### Footnotes

### Paper preparation format

LaTeX

### Region represented

Asia

### Funding Agency

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