

Design of Fast Bunch Switching Line in PAL-XFEL

Thursday, November 14, 2024 1:00 PM (1h 30m)

We present the conceptual design for the fast bunch switching line in PAL-XFEL. Currently we are servicing both hard X-ray line and soft X-ray line by switching the single bunch's direction in the rate of 30 Hz. Considering the method of ATHOS line in SwissFEL, we have designed a fast kicker line which are possible to send bunches in 60 Hz to the both lines by separating two- bunches generated by two UV pulses. In this presentation, we will show basic concept and preliminary design for the kicker system.

Paper submission Plan

No

Best Presentation

No

Contribution track

ICABU WG1. Accelerator Systems

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