

Meeting DESY-KEK-CERN on 2025-07-03

Zoom

Present: Takashi Mori, Naoko Iida, Katsunobu Oide, Takuya Kamitani, Ilya Agapov, Andrea Latina, Andrea Aguirre Polo, Nikita van Gils

Discussed items:

Andrea Aguirre Polo presented new simulation results since last meeting (slides)

1. Transverse wakefield effect in the linac. Since the naming of orbit correctors in the SAD file was not clear, the studies were done by creating trajectory oscillations with initial trajectory offsets. As next step, studies should be done with quadrupole misalignments followed by trajectory correction.
2. Transverse beam profile with different offsets after the dump line
3. BTP tracking

Other comments:

Gun geometry still not received (Andrea L)

Actions:

- Further work on understanding 2-peak longitudinal and transverse distributions.
- Get the deck for the dump line to refine the model for experimental verification
- Next meeting between during BT studies October 27 and 31 2025 at KEK in person since most of the people will be there

Follow-up and additional info:

None