

Discussion on buncher schemes

- **Independent phase and amplitude (SLC)**
 - **Pros:** Flexible to tune phase and amplitude and make beam on crest in the accelerator section resulting in small energy spread and maximize energy
 - **Cons:** High-power phase shifter
- **Fixed phase and amplitude (NLC, NLCTA)**
 - **Pros:** No high-power phase shifter
 - **Cons:** Hard for beam tuning; beam is not on crest at the accelerator resulting in large energy spread and low energy. In NLCTA, 30-40 deg ahead of the RF wave crest in PAC97's experimental report

Optimization on 216 MHz injector

- Jym's concern: 55 cm drift instead of 75 cm; the injector is being optimized by increasing the drift length.
- Hope to present the detail results in the next meeting.