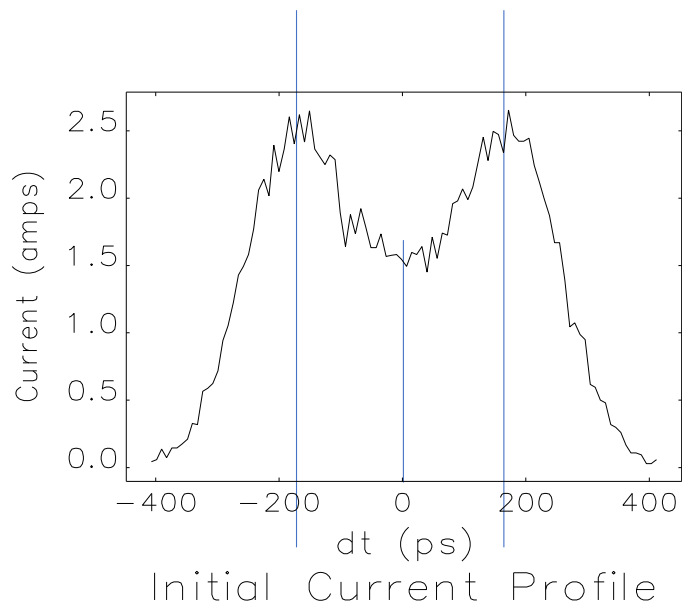


Update on CeC beam simulation

New (longer) Beam setup

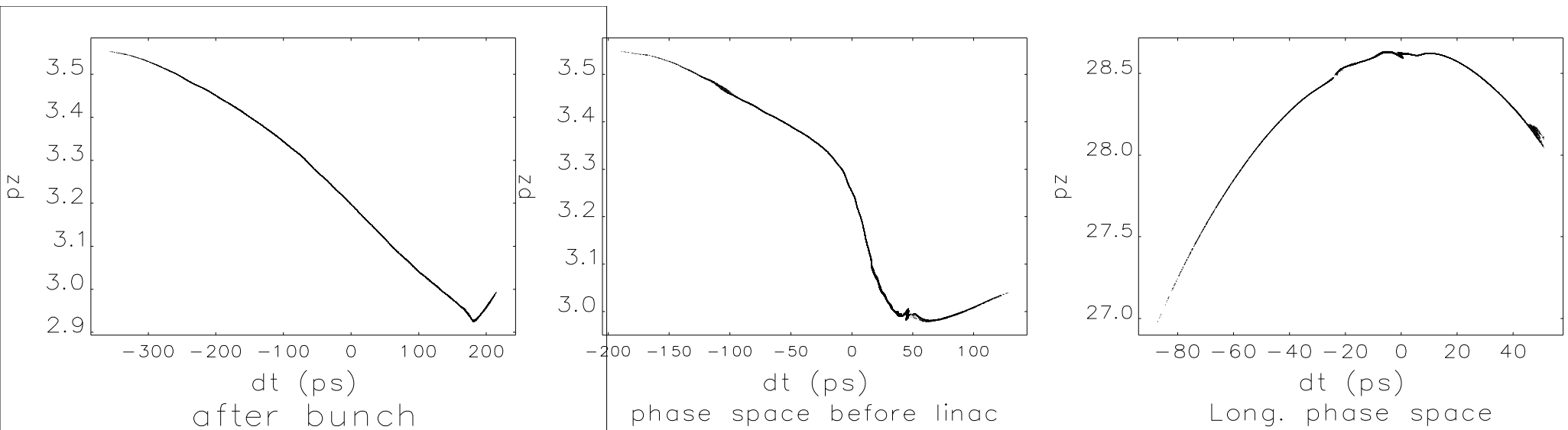
3 Gaussian beamlets for more uniform final distribution



Laser profile: 3 degrees of freedom (optimization ongoing)

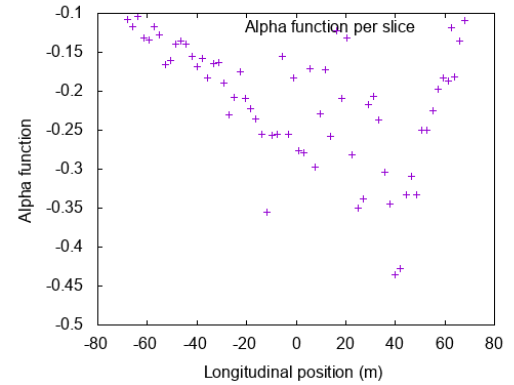
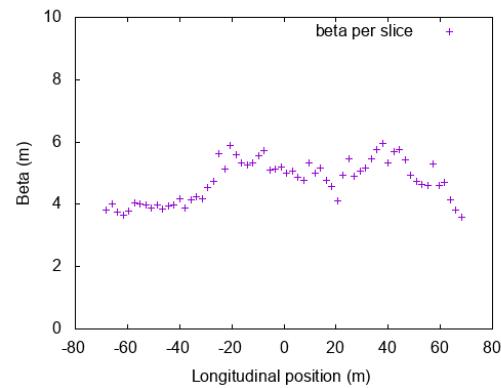
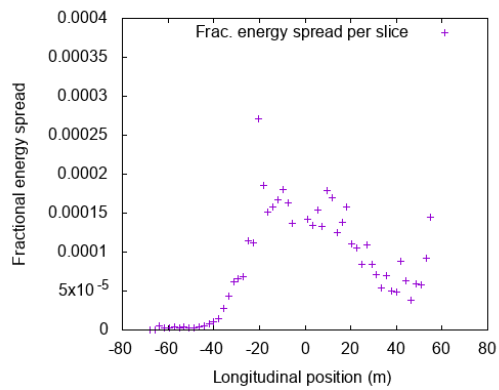
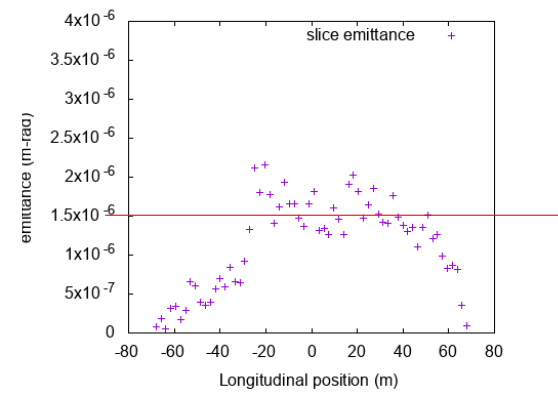
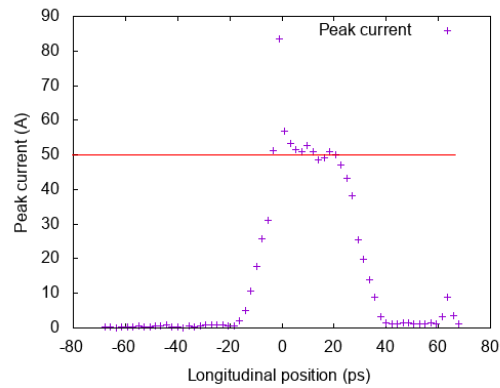
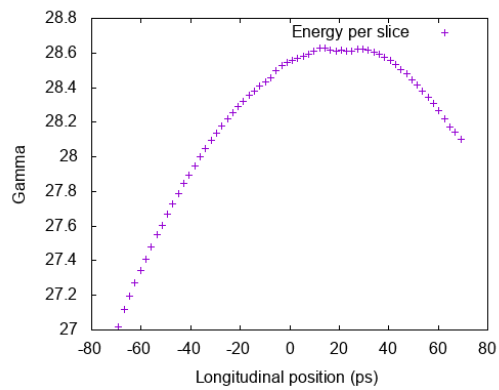
Item	Unit
Side beam center	180 ps
Beamlets' r.m.s	80 ps
Relative intensity center/sides	0.5

Long ps evolution



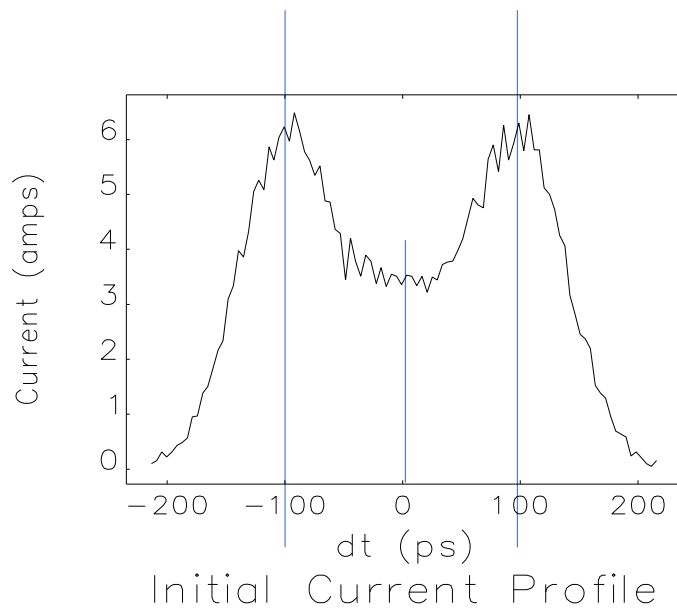
Central slice strength can
be used to adjust behavior

Slice performance



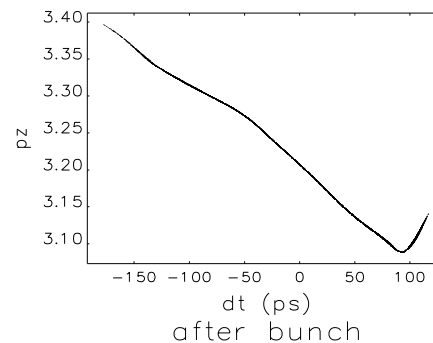
Old (shorter) Beam setup

3 Gaussian beamlets for more uniform final distribution



Laser profile: 3 degrees of freedom (optimization ongoing)

Item	Unit
Side beam center	100 ps
Beamlets' r.m.s	40 ps
Relative intensity center/sides	0.5



RFs can be used to adjust core

Slice performance

