

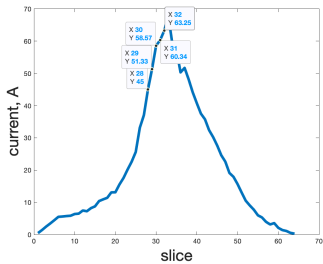
CeC Physics

Jun Ma

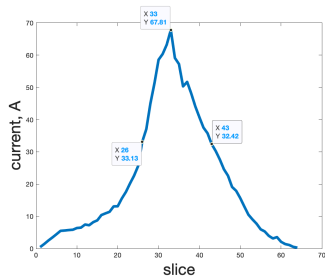
Collider-Accelerator Department
Brookhaven National Laboratory

10/14/2022

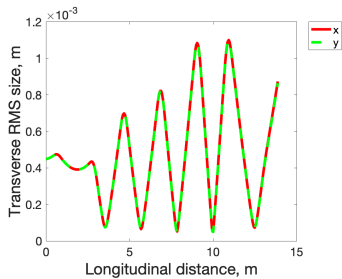
- Updated solenoid settings
- Take slice parameters from beam dynamics simulations (old simulations)
- Add slice 26



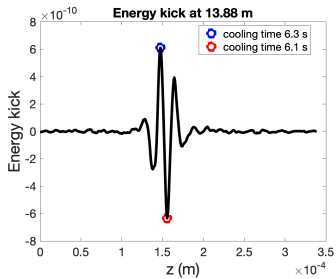
(a)



(b)

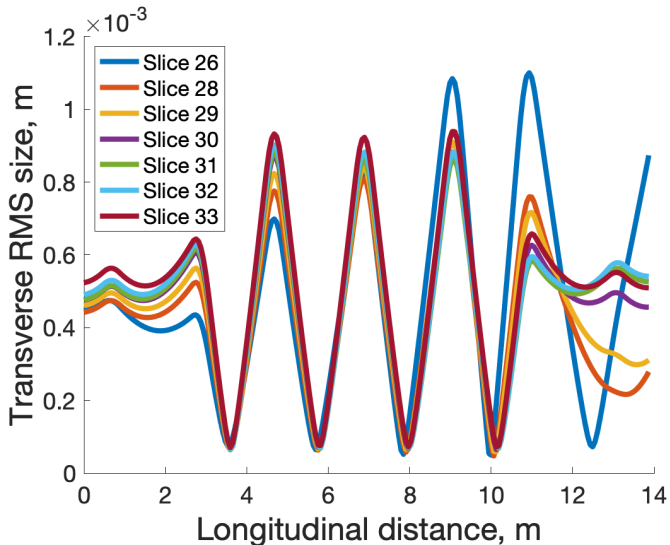


(a)



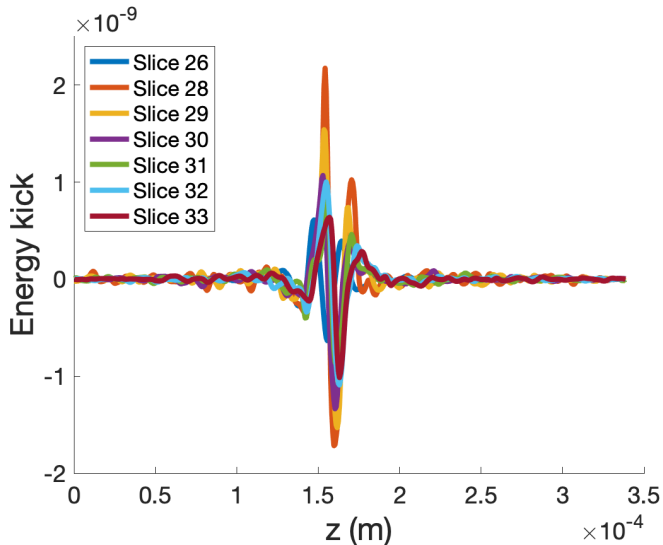
(b)

Compare beam size



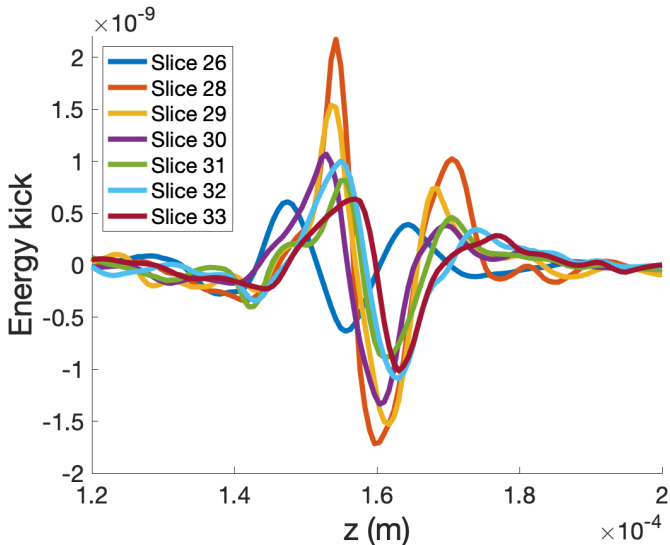
(a)

Compare energy kick



(a)

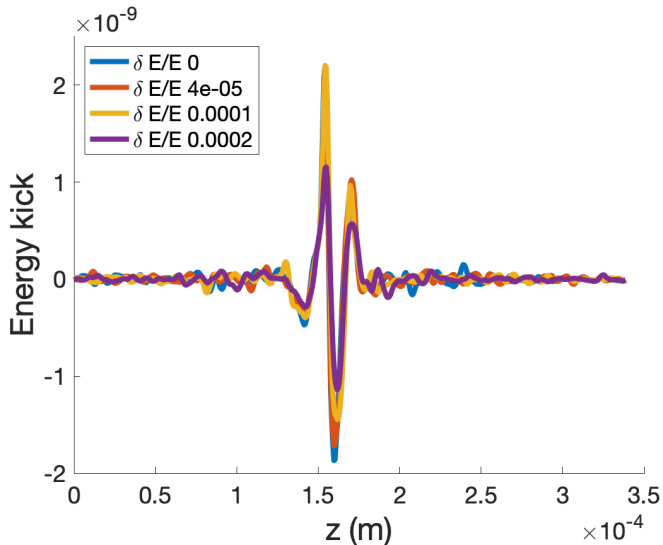
Compare energy kick, zoom in



(a)

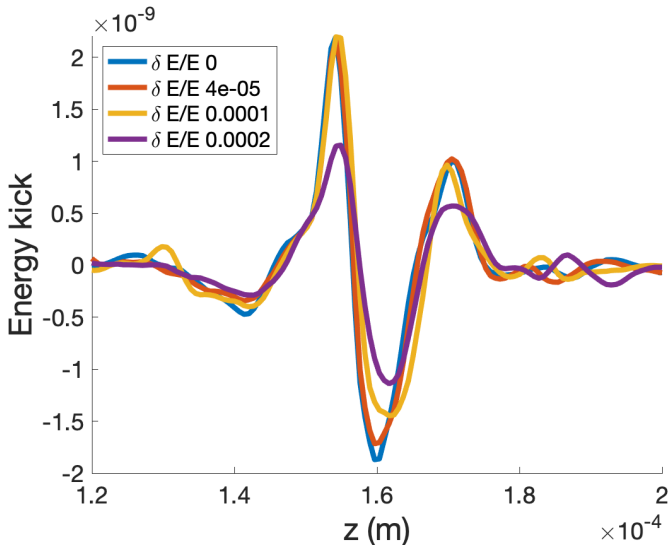
- Slice 26
- Compare energy spread 0 / $4e-5$ (from beam dynamics simulation) / $1e-4$ / $2e-4$

Compare energy kick



(a)

Compare energy kick, zoom in



(a)