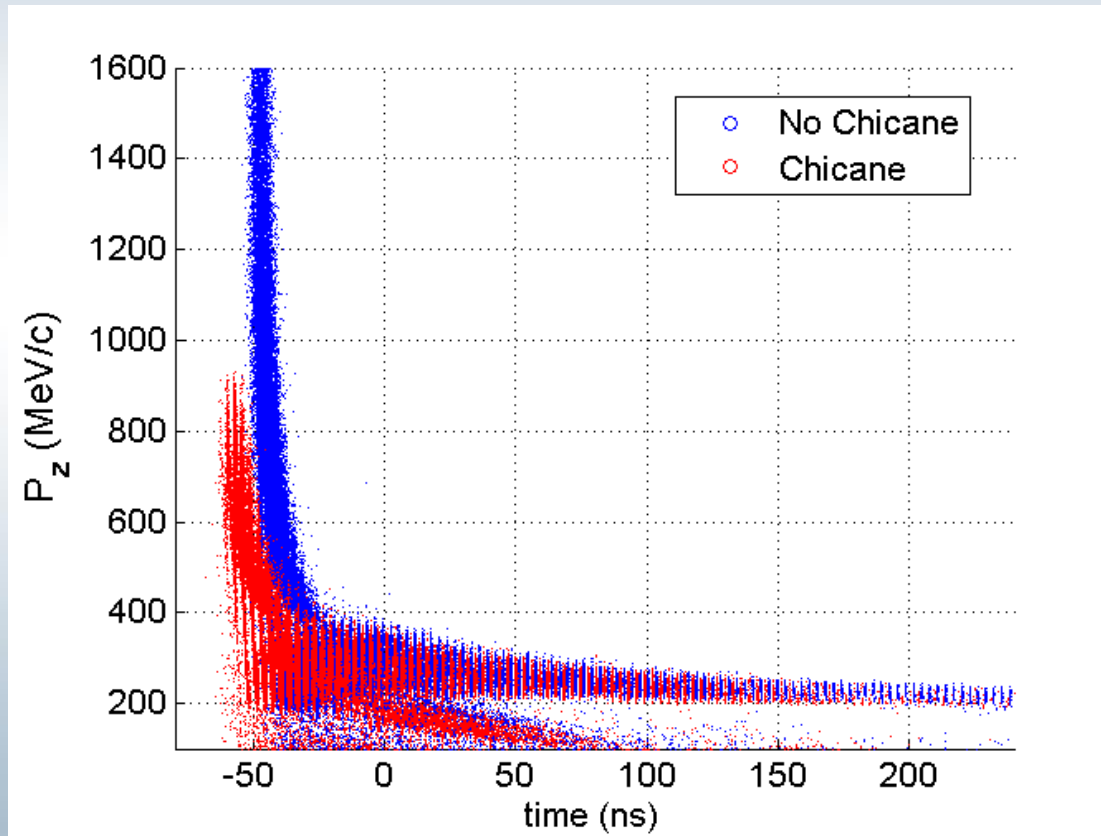


FE Status [Feb. 25, 2014]

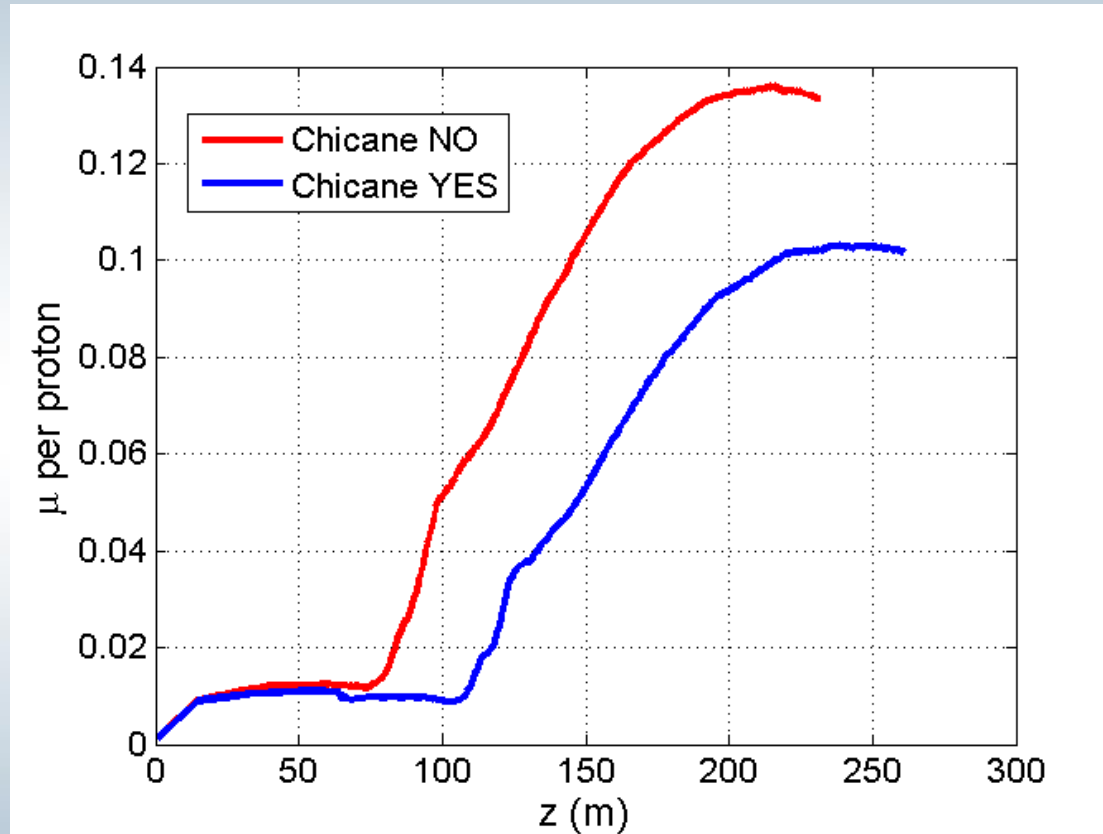
- New Distributions generated for 8 GeV/ 4 MW, 20 T [by H. Sayed]
 - 100K, 500 K protons, 1000 k
 - Positive muons
 - **MARS output included.**
 - Can be found here: pubweb.bnl.gov/~diktys/FE/InputDistribution/
 - OR here...
pubweb.bnl.gov/~hsayed/Muon_collider/High_stat_pdist_muon_target/

Chicane Results I

- Beam at the phase-rotator:



Chicane Results II



- This is disappointing. Optimization is necessary!

Thoughts for next steps

- Pavel is developing a deck in G4BL for the 325 MHz FE
 - Include chicane
 - Cross-check result with ICOOL
 - Check pions on the absorber
- Hisham showed that a short taper improves performance
 - Integrate short taper in 325 MHz FE
 - Add Weggel's realistic 5 m field map
- **Both chicane & short taper in one FE deck**
- Optimize...

