

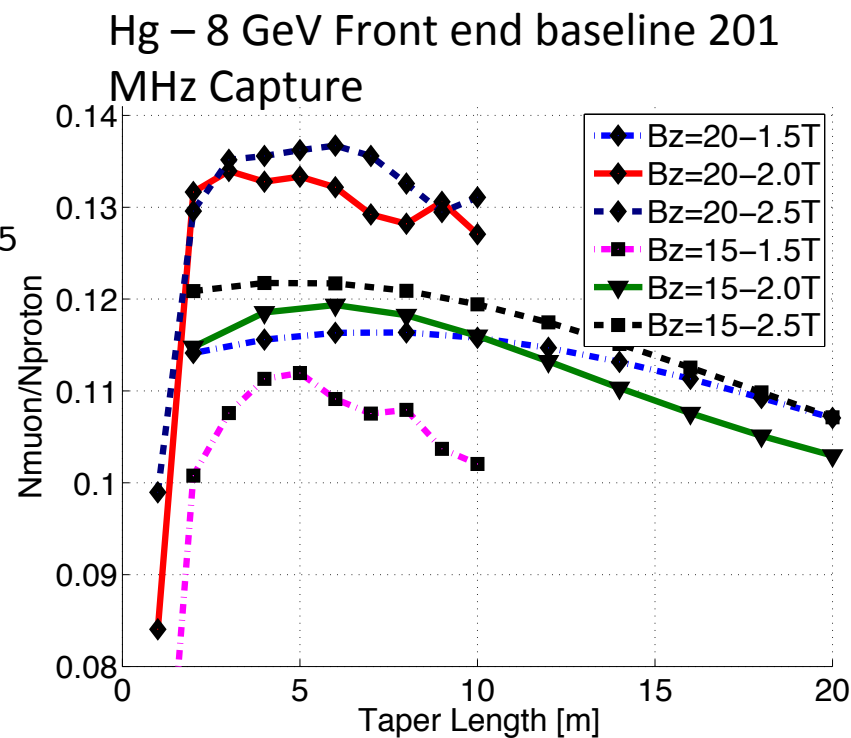
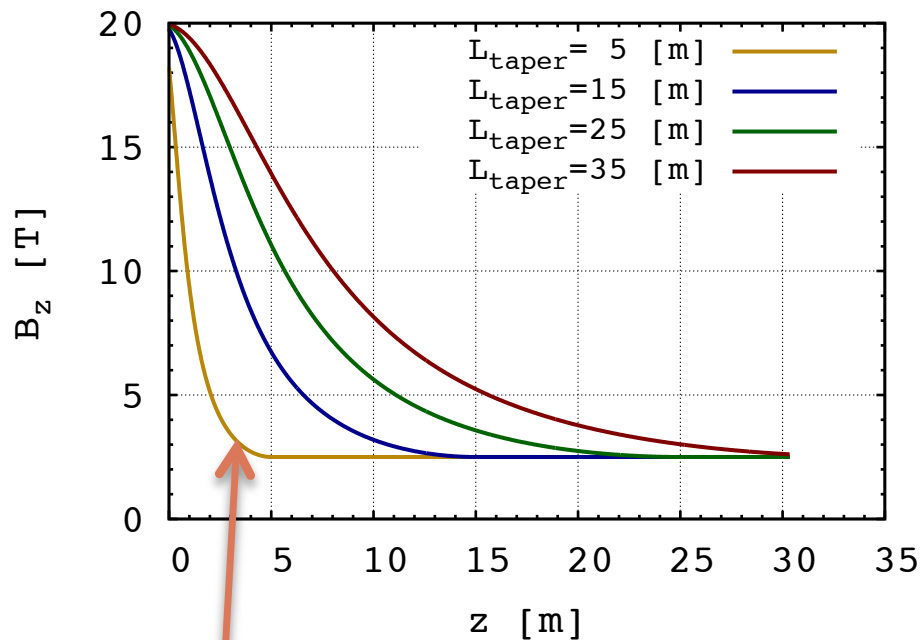
THE MUON COLLIDER CAPTURE TARGET SOLENOID & NEUFFER'S 325MHZ FRONT END

HISHAM KAMAL SAYED
COLLIDER ACCELERATOR DEPARTMENT
BROOKHAVEN NATIONAL LABORATORY

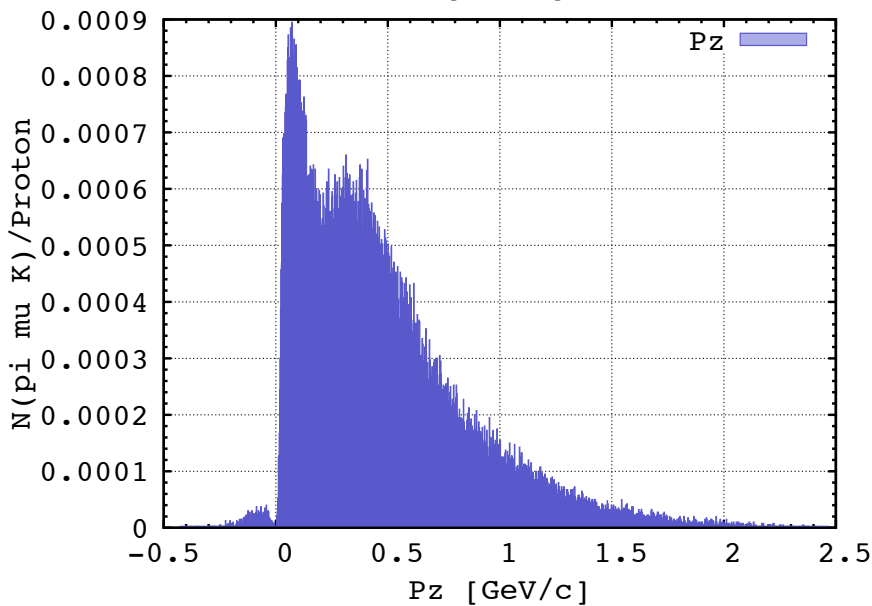
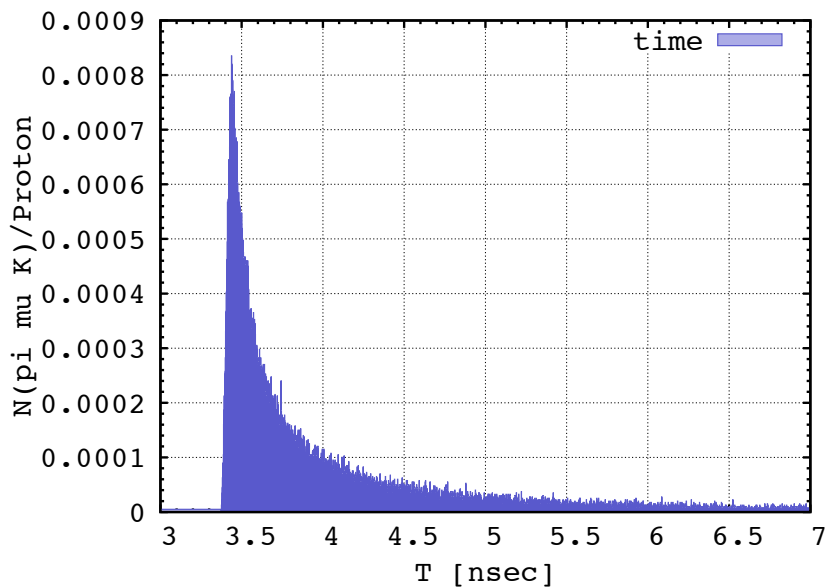
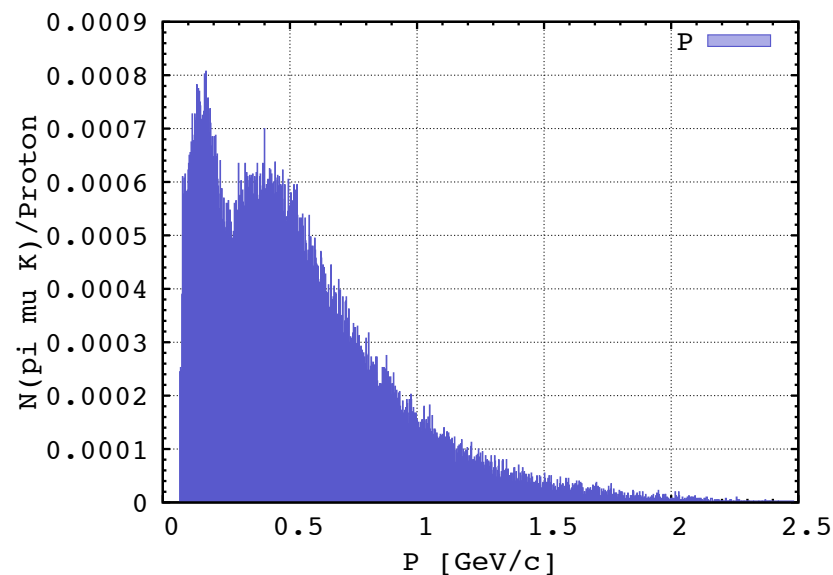
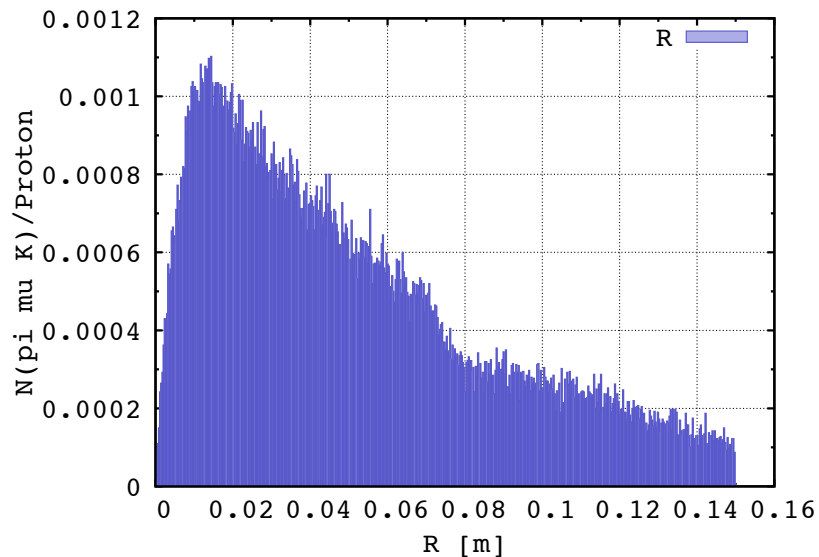
June 13, 2013

OPTIMIZED TARGET SOLENOID FOR 325 MHz FRONT END

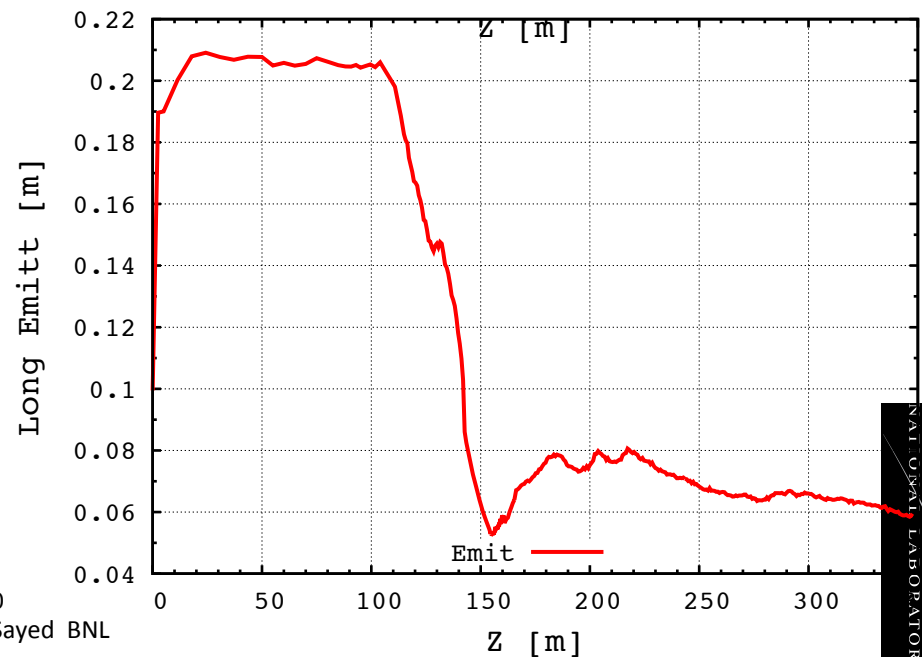
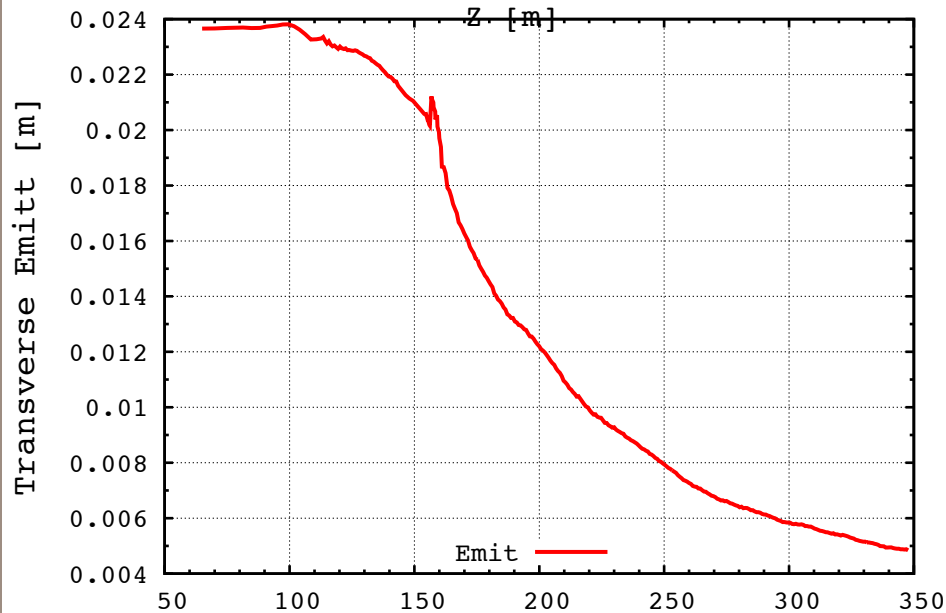
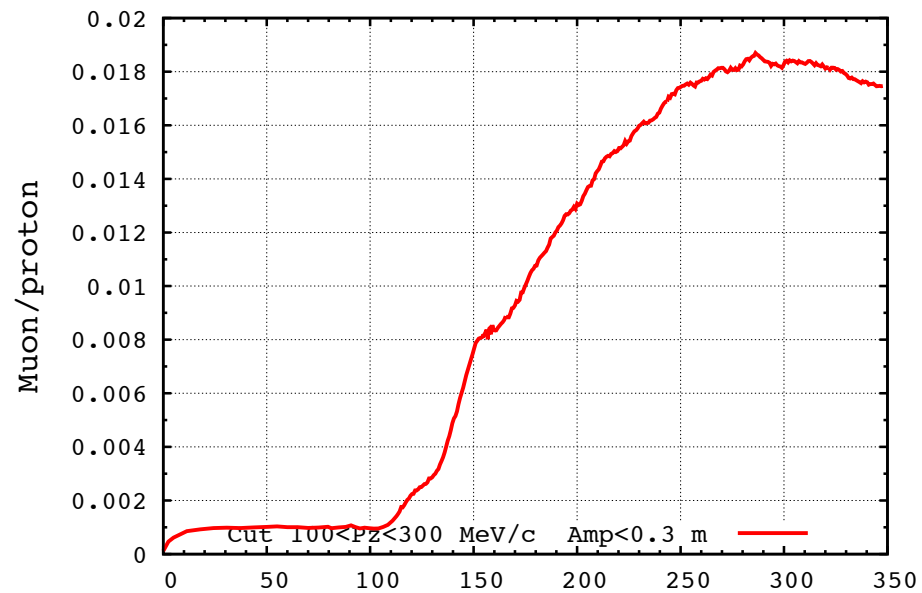
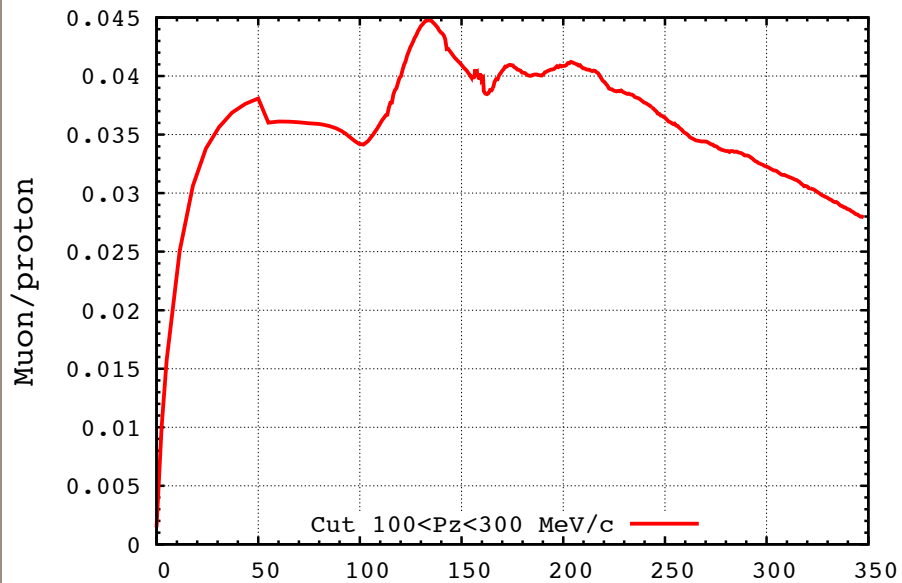
Motivation



OPTIMIZED LOW ENERGY C TARGET SOLENOID FOR 201 MHz FRONT END



OPTIMIZED LOW ENERGY C TARGET SOLENOID FOR 201 MHz FRONT END



6/13/13 Z [m]

Hisham Sayed BNL

SUMMARY & WORK TO DO

Summary:

- 1- First run through front end.
- 2- Needs to optimize the Target capture solenoid and phase to buncher and rotator cavities.
- 3- Study the transport through the first 50 m.