

# B field impact on forward RICH performance

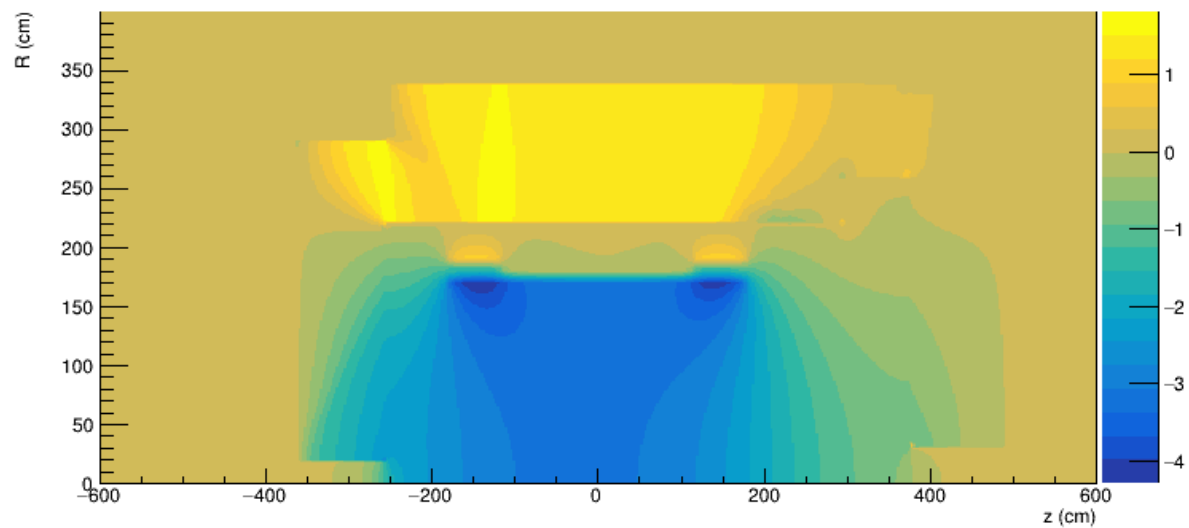
Chandradoy Chatterjee  
Roberto Preghenella

Previous talks:

1. 17 May 2021
2. 24 May 2021
3. 31 May 2021

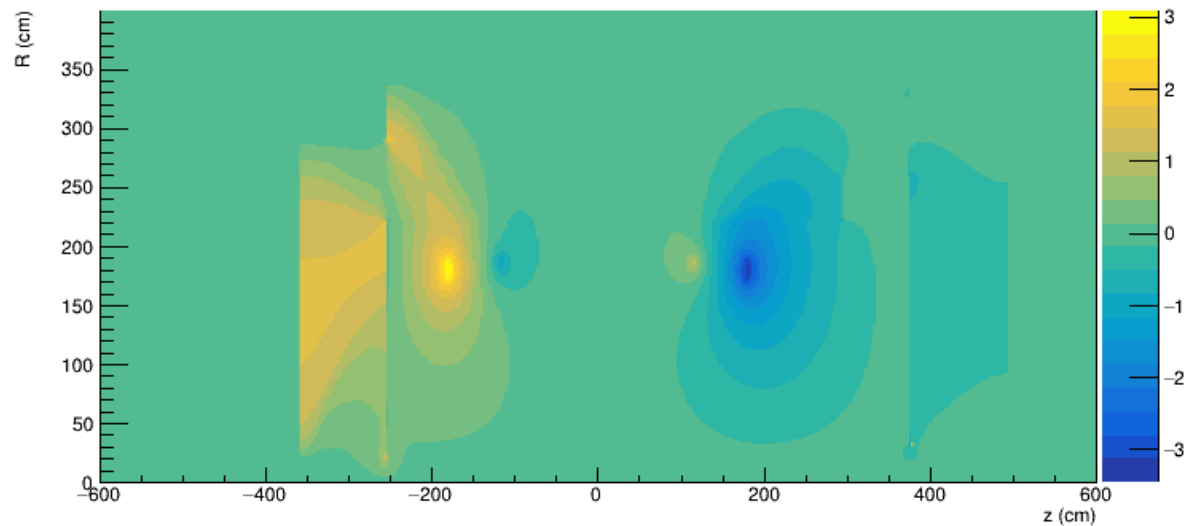
6/14/2021

Bz (T)

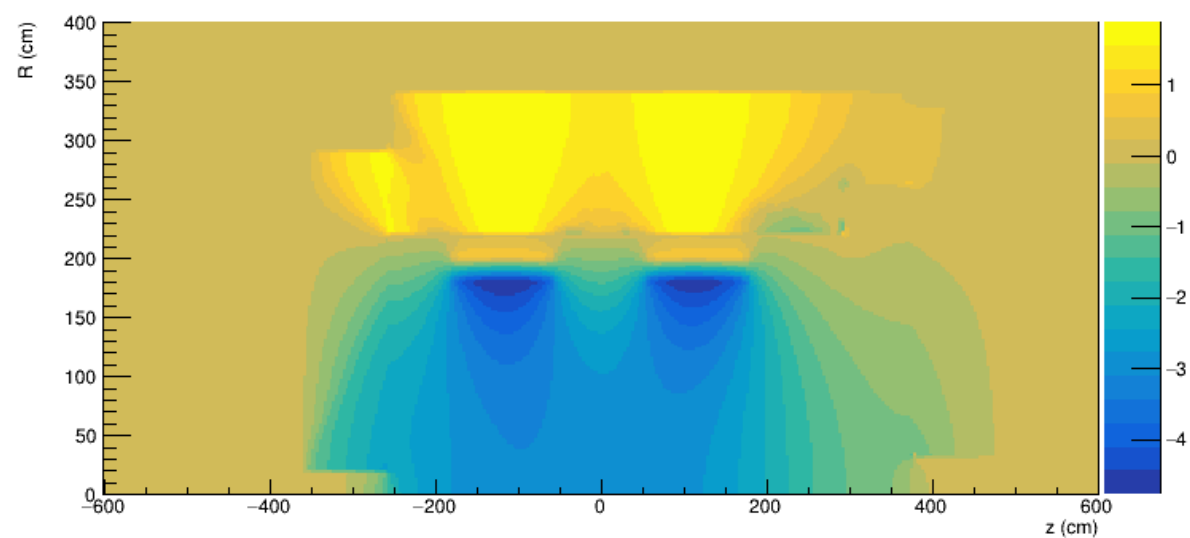


OLD

Br (T)

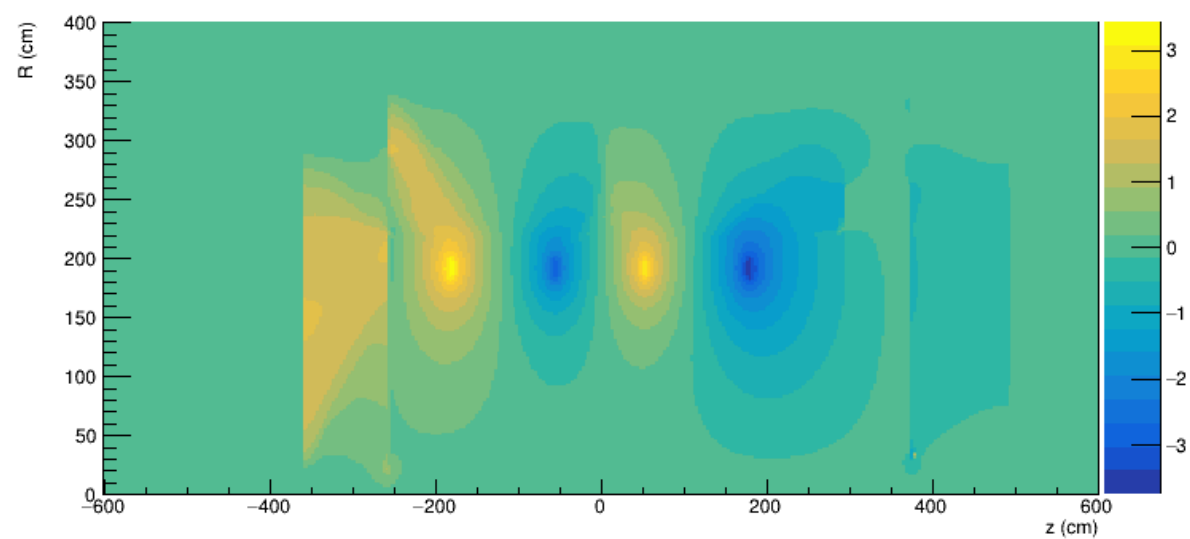


Bz (T)

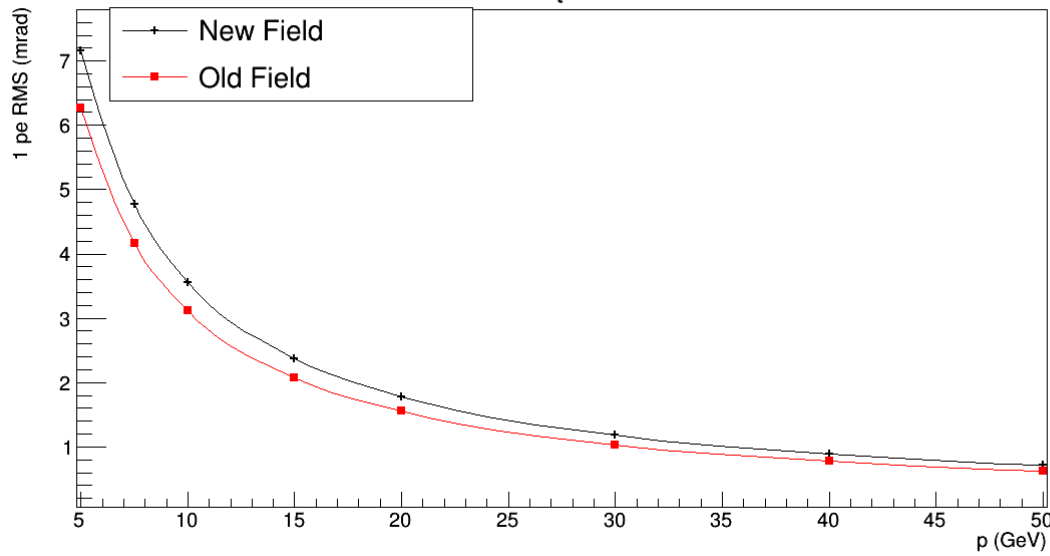


NEW

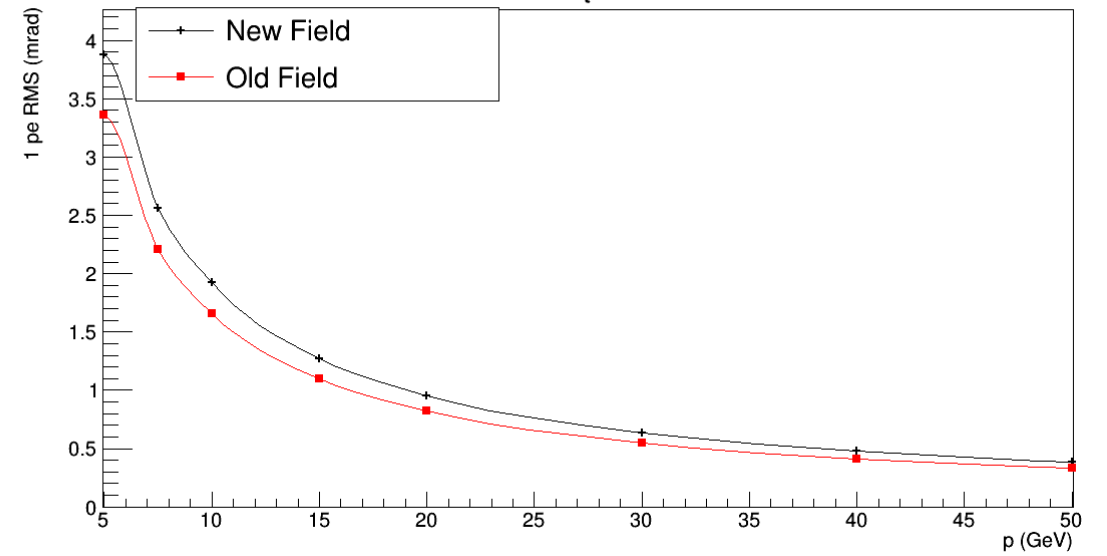
Br (T)



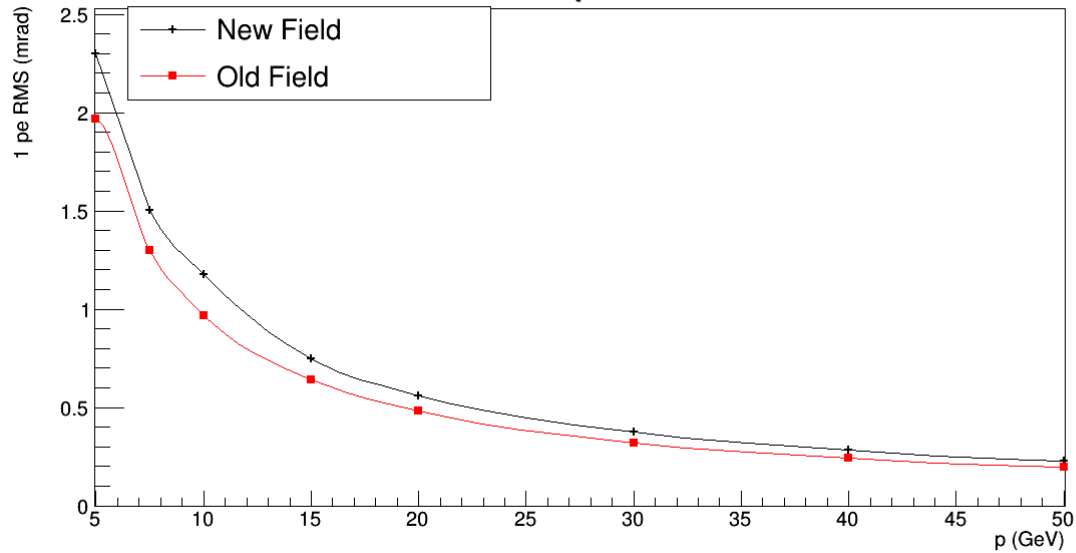
$\eta = 1.5$  or  $\theta_t = 0.44$  rad



$\eta = 2.0$  or  $\theta_t = 0.27$  rad



$\eta = 2.5$  or  $\theta_t = 0.16$  rad



**Muons**

$\eta = 3.0$  or  $\theta_t = 0.10$  rad

