



Full detector simulation with rotated B-field

G. Battistoni, S. Muraro
INFN Milano

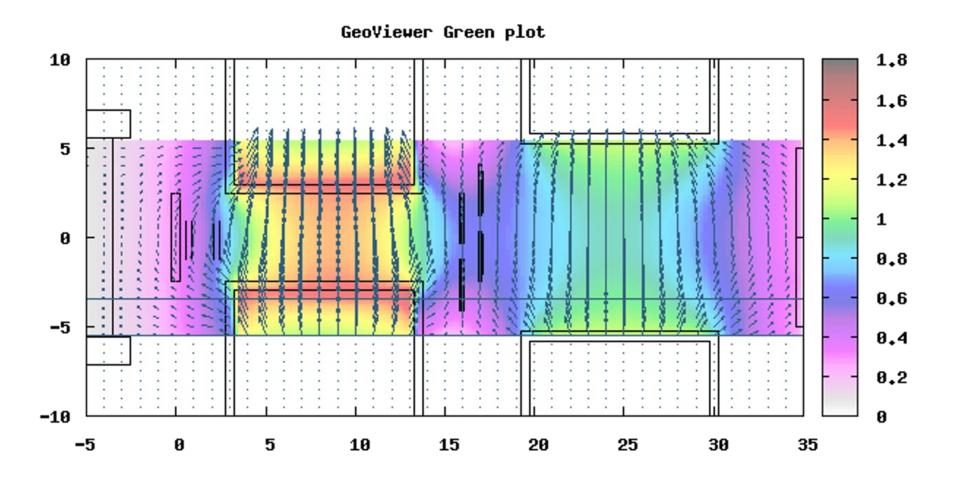
Introduction

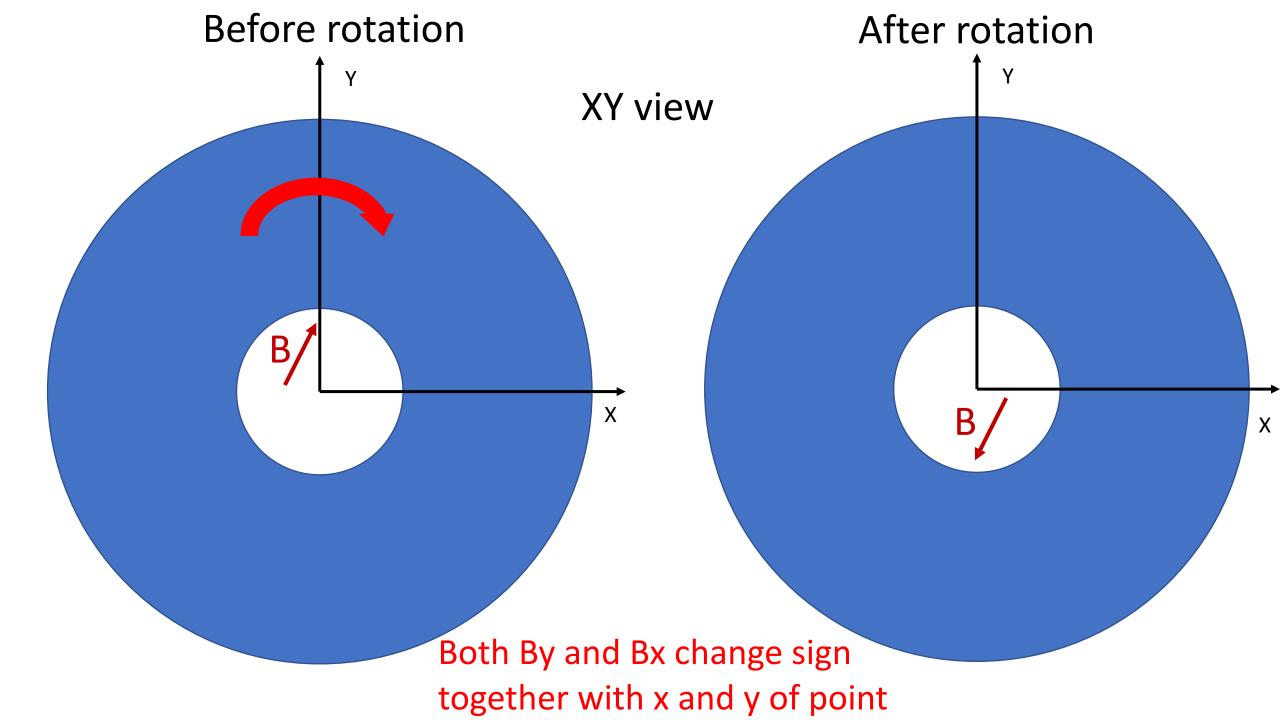
Following the recent discussions, we have rotated the direction of magnetic field thus modifying the 12C_200_2023 campaign, as presented at the FOOT general meeting.

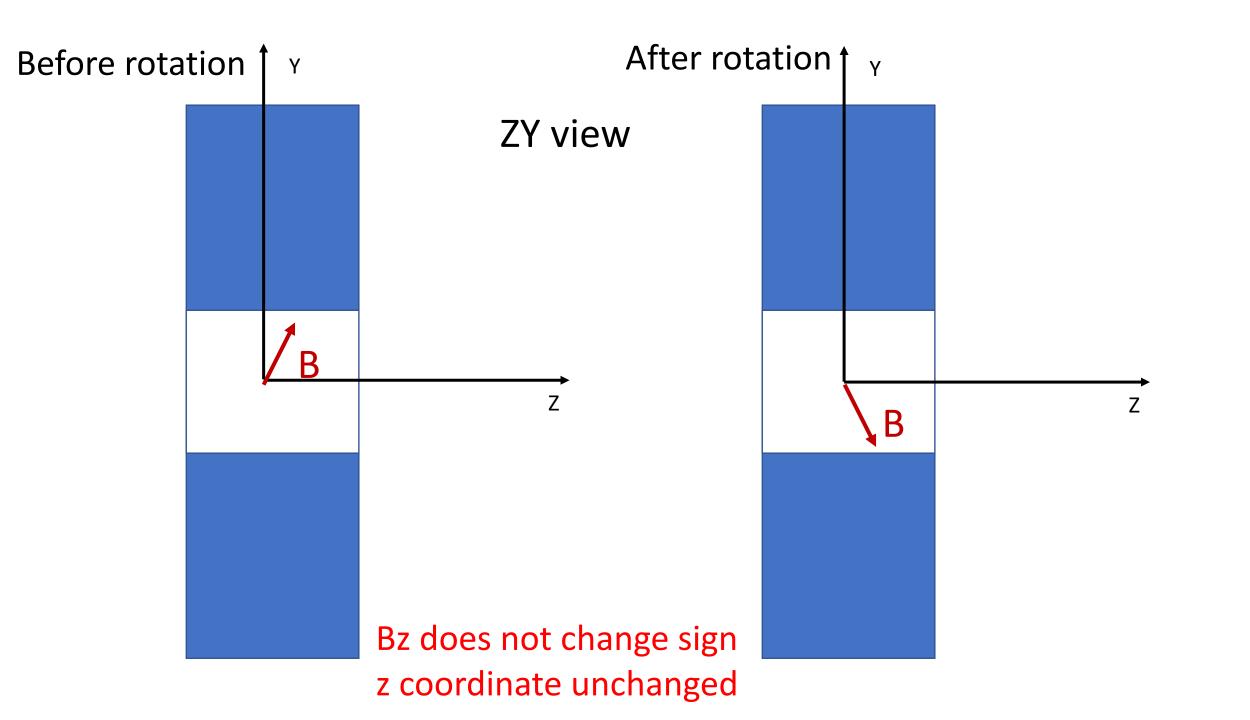
A new campaign has been prepared: 12C_200_2023v2 within the newgeom_v1.0 branch of shoe: we agreed that this was a cleaner solution in order to avoid problems to those who were already working with the 12C_200_2023

To this purpose the existing map of magnetic field has been rotated following the specifications illustrated in the next slides

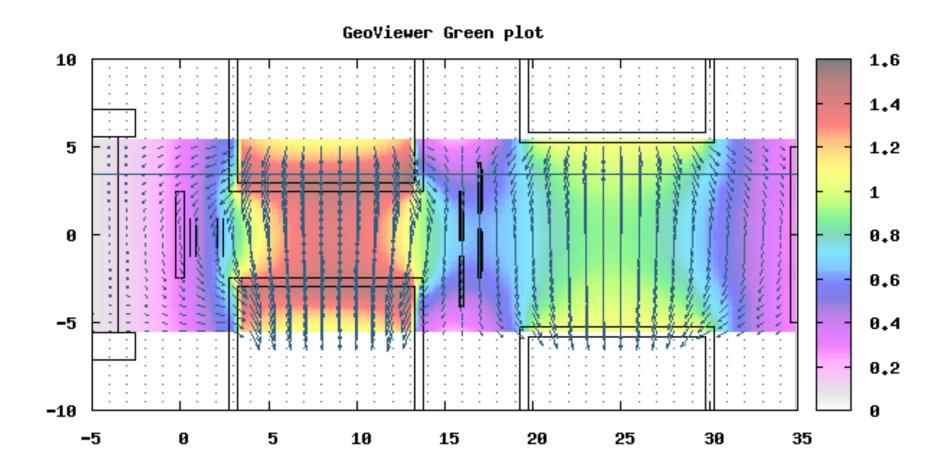
ORIGINAL MAP





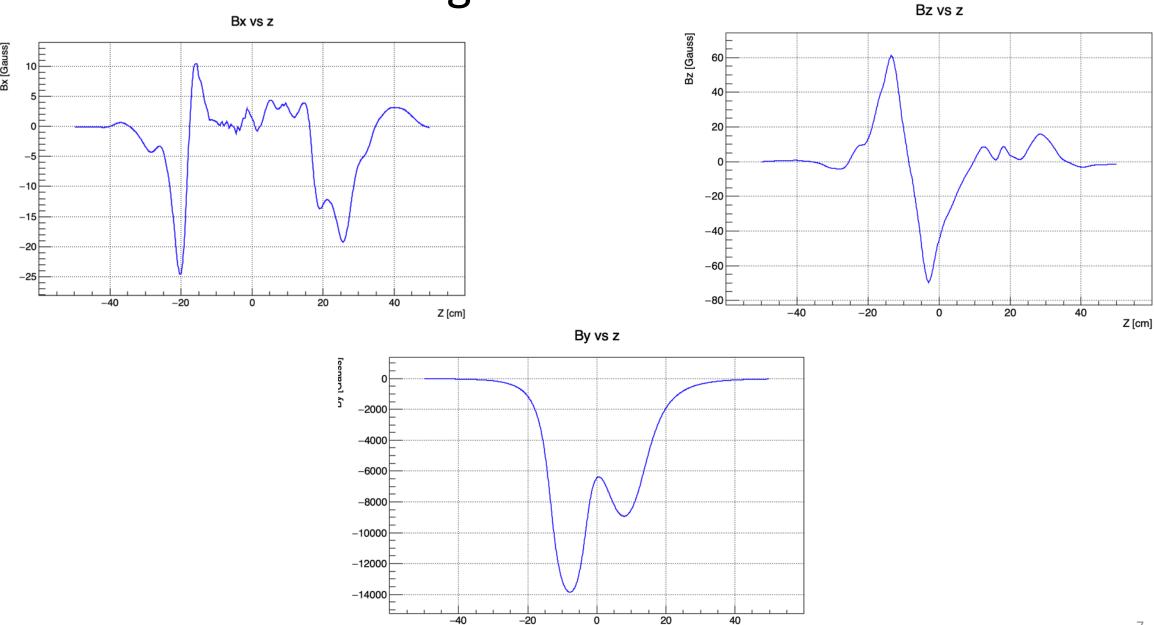


NEW ROTATED MAP



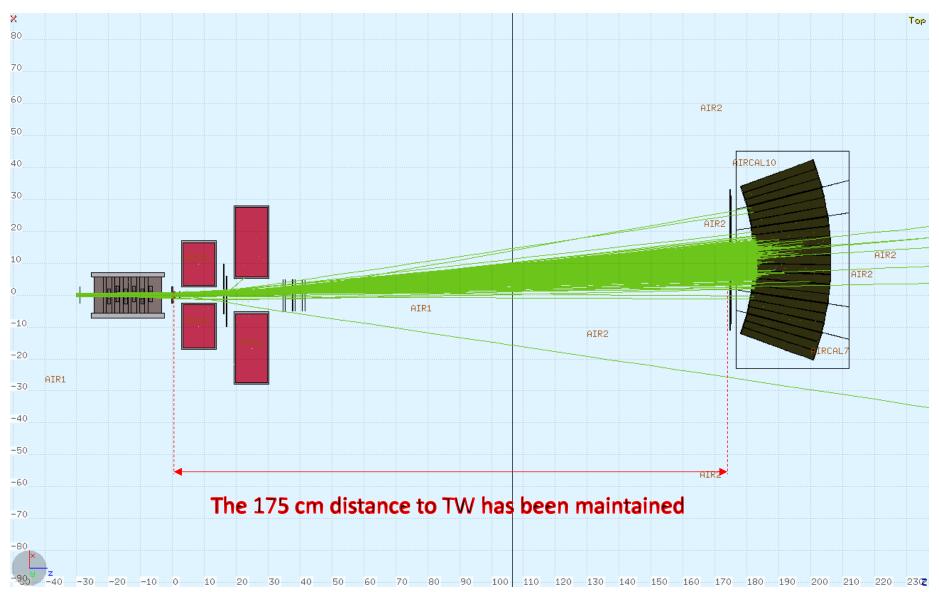
→ shoe/Reconstruction/data/SigmaPhi_FOOT2023rot.table

Along the central axis



Z [cm]

12C_200_2023v2 new design



TW and calo have been obviously shifted in the opposite direction

Conclusions

The new setup with the desired direction of magnetic field is ready

This is included the new campaign 12C_200_2023v2

A new production will be prepared soon (checks are being completed).

At this point we do not consider any more necessary to upload on Tier3/Tier1 the 12C_200_2023 production announced during the FOOT general meeting (unless requested)