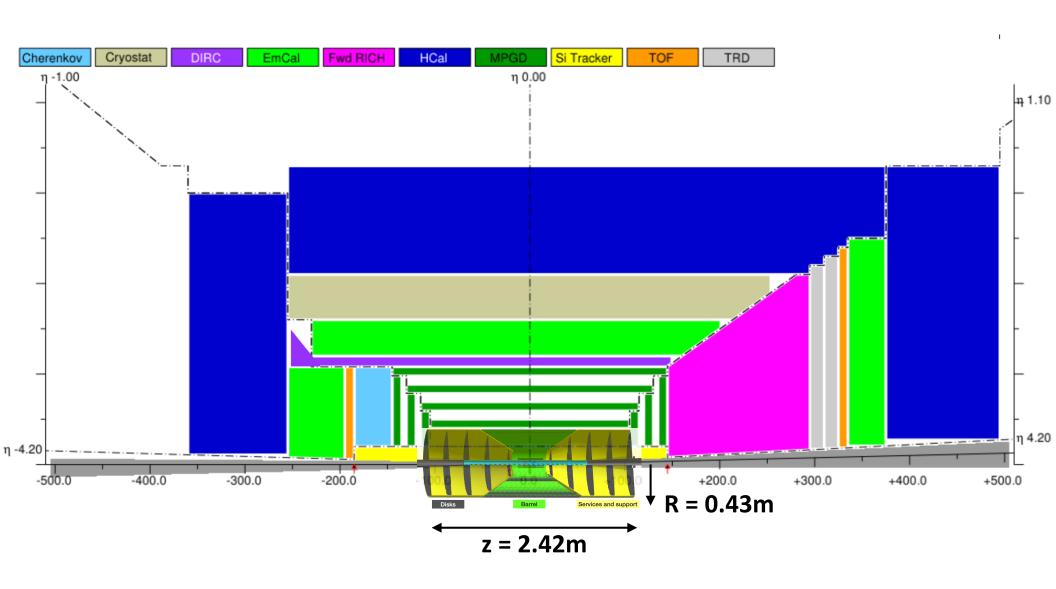
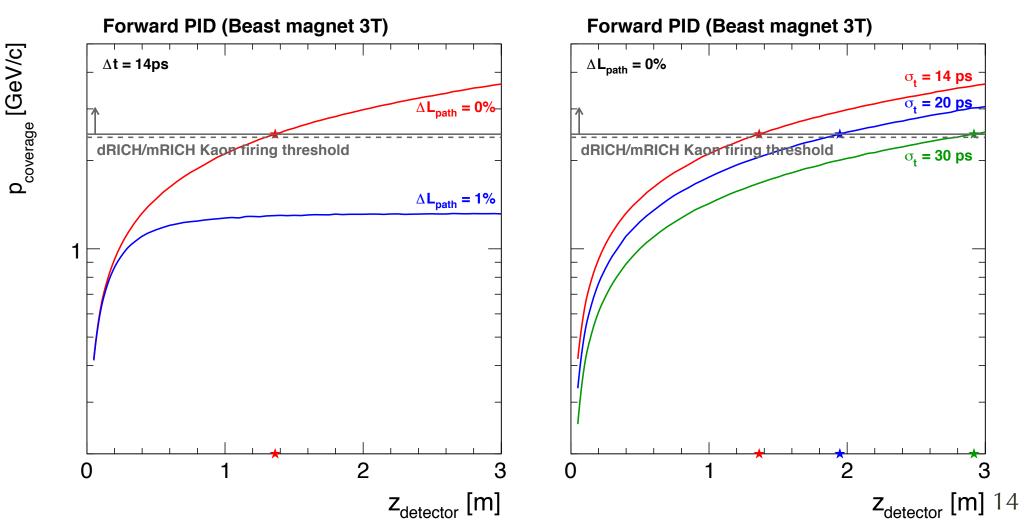
Potential locations for LGAD



LGAD at forward and backward

- Two layers 20ps LGAD → 14ps
- Pathlength uncertainty cannot be >1%
- LGAD (<= 2 layers) needs to be placed >1.5m



Summary

- Need full simulation to determine the path length uncertainty
- From the fast simulation it looks the closest position one can put LGAD TOF would be >~1.5m for forward and backward
- Closest would be right before the Cherekov detector

