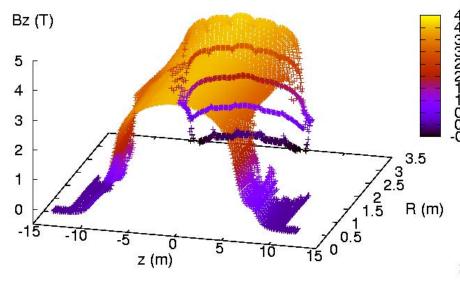
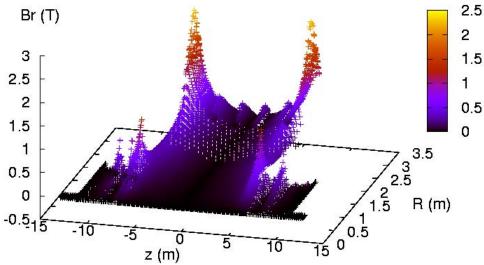
## **CMS** measured magnetic field

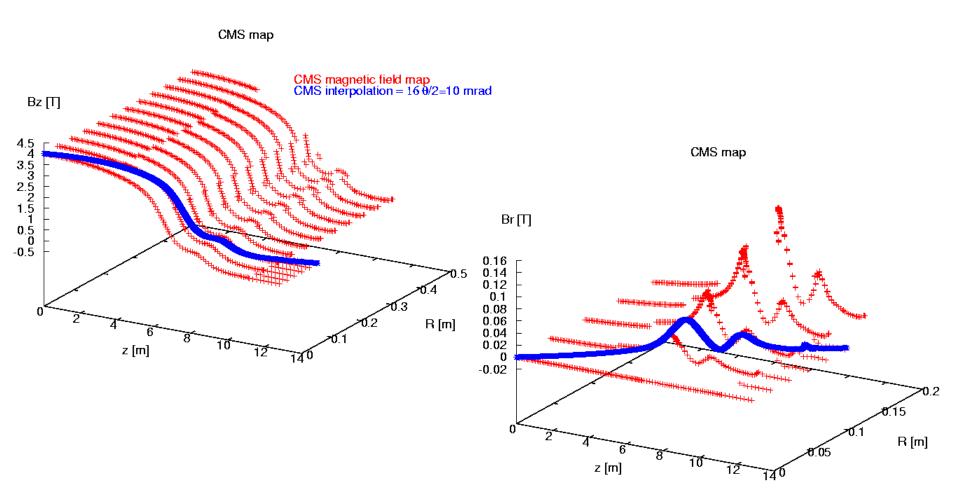
/afs/cern.ch/cms/OO/mag\_field/version\_11031\_071212\_4t

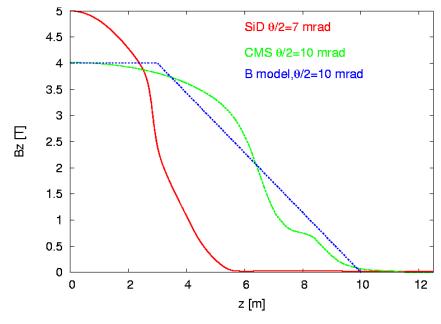


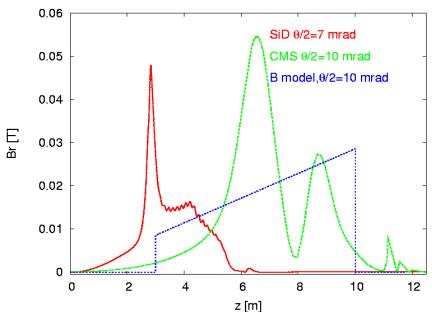
Non equal-spaced 3D map (  $B(r, \phi, z)$  ) We interpolate it to produce Bz vs z and Bx, By (Br2=Bx2+By2) vs z maps along the beam trajectory (like the SiD map) at the CLIC crossing angle.



## CMS measured magnetic field (interpolation)







## Fields and trajectories

Orbits in different magnetic fileds:

1)SiD: field calculated by ANSYS

2)CMS: interpolated from measured data points

3)Simple model of solenoid magnetic field (for comparison)

