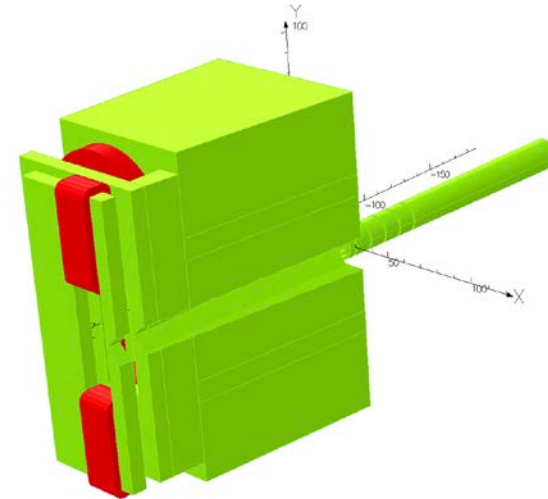
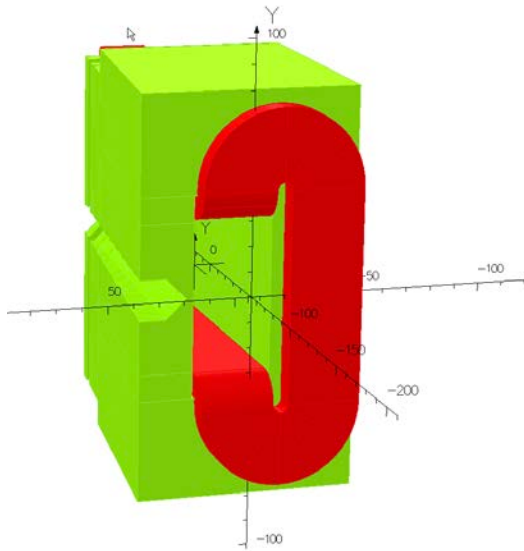


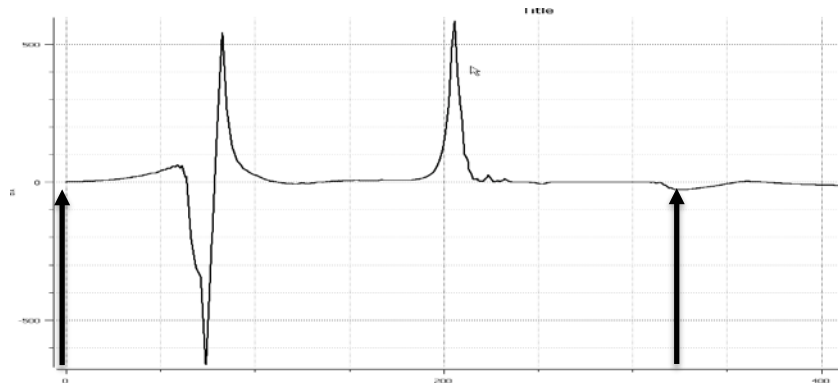
# Small Angle Magnet

Update at May 12 meeting

# Trapezoidal Cutoff in SAM for the beam line



Bx on the beam line

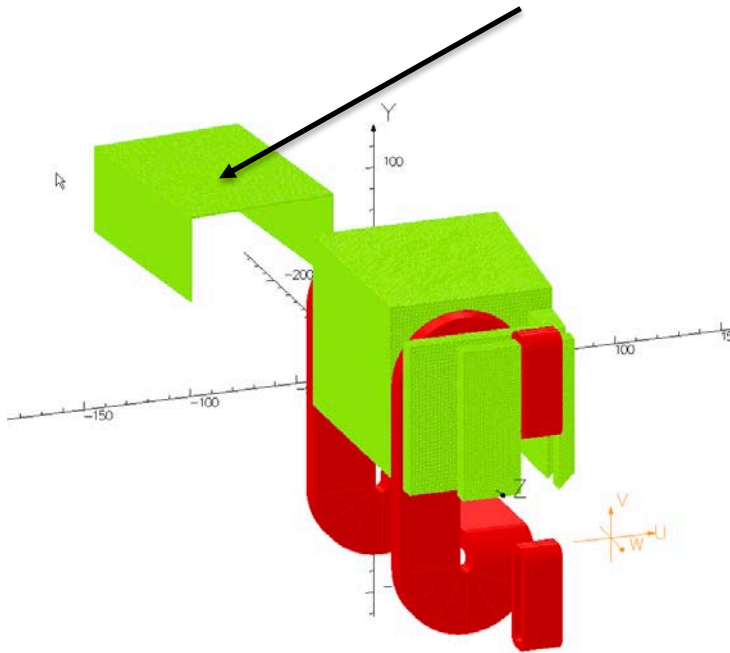


target

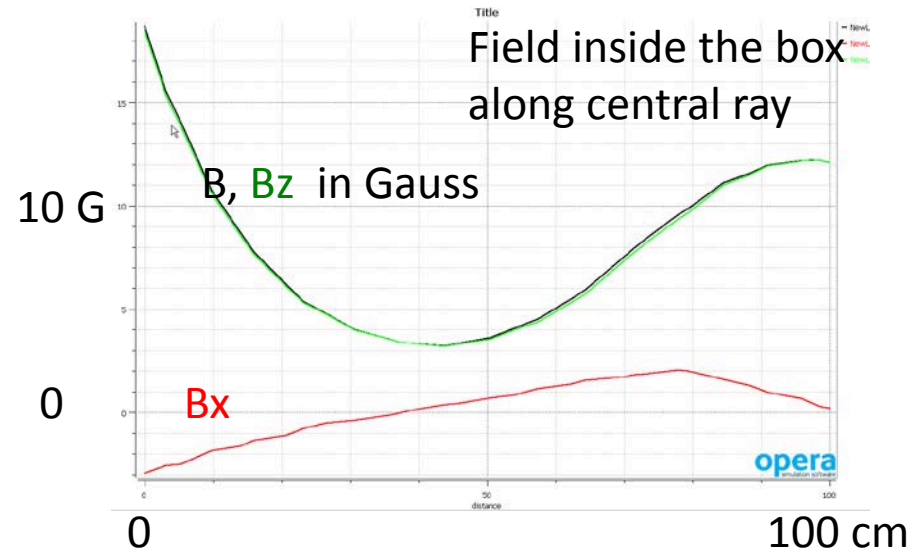
End of the shield

Total field integral is  $\sim 4$  kG-cm mainly from the downstream end of SAM  
It will be compensated by a 10-cm long SamCo magnet attached to SAM

# Magnetic box around NPS calorimeter



The iron box around calorimeter:  
 $70 \times 80 \times 100 \text{ cm}^3$  with 1 cm wall thickness.  
The field in iron (1.5 kG) allows reduction  
of the wall thickness to 0.3 cm



Transverse field ( $B_x$ ) is below 1 Gauss  
in the middle of the box