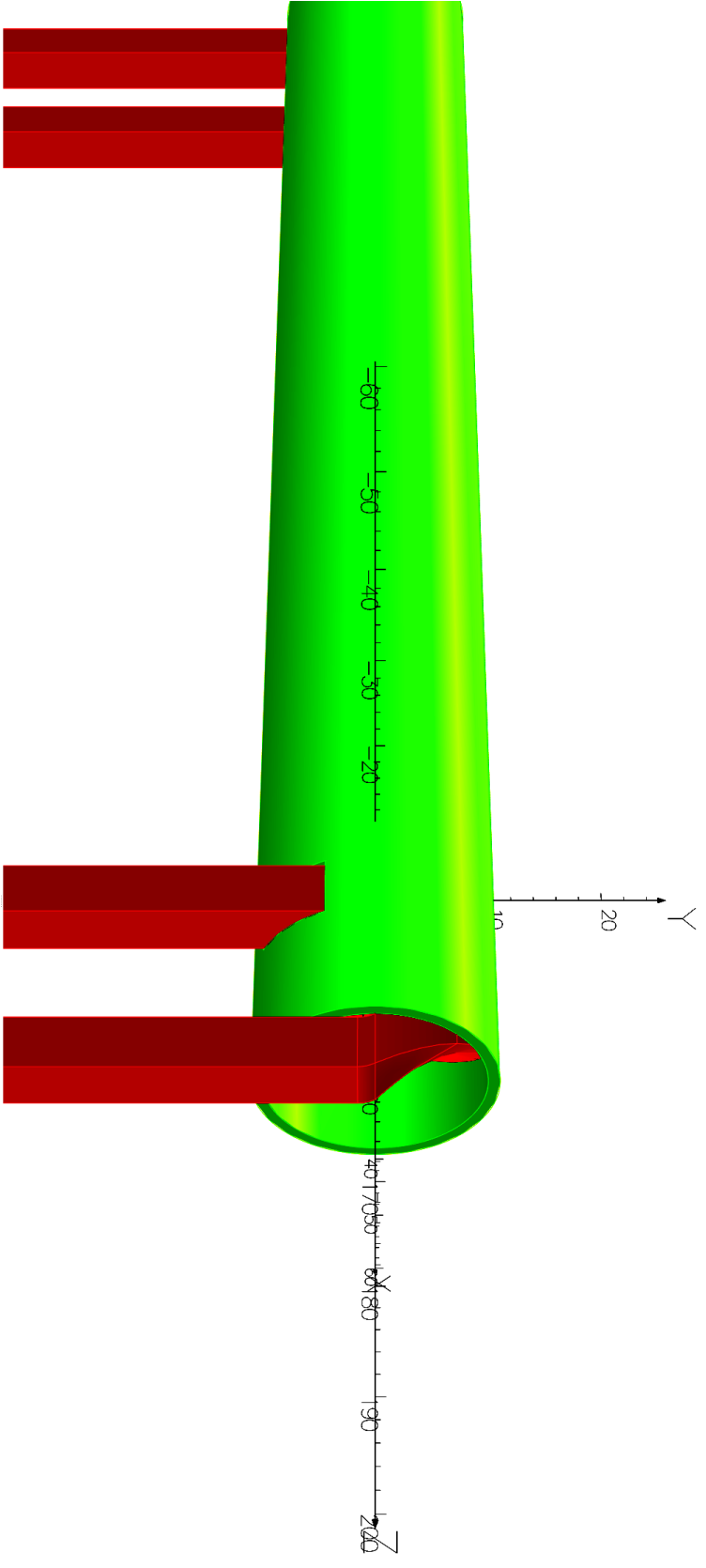


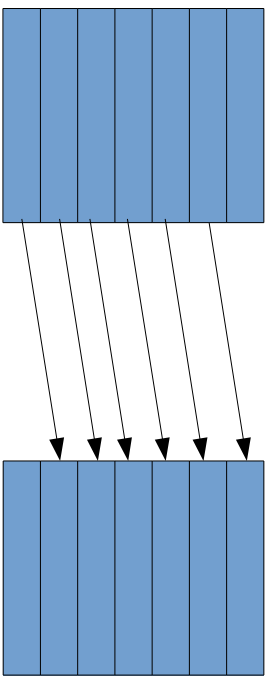
Some ideas for end regions of the undulator

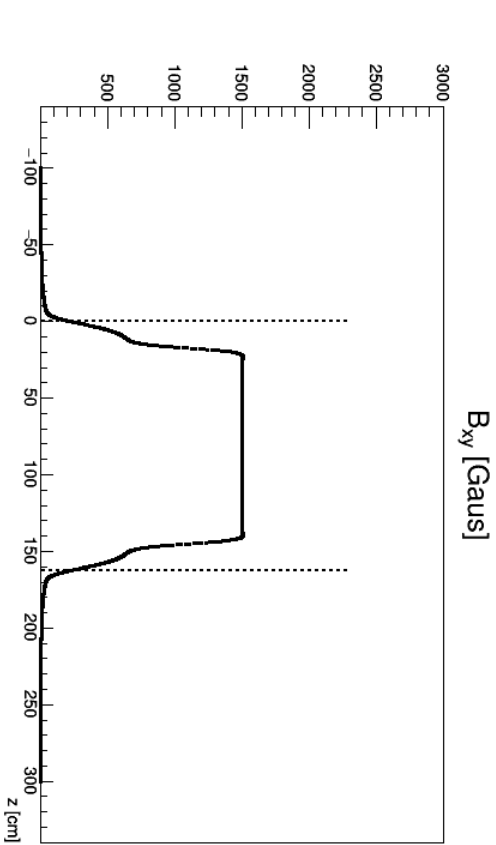
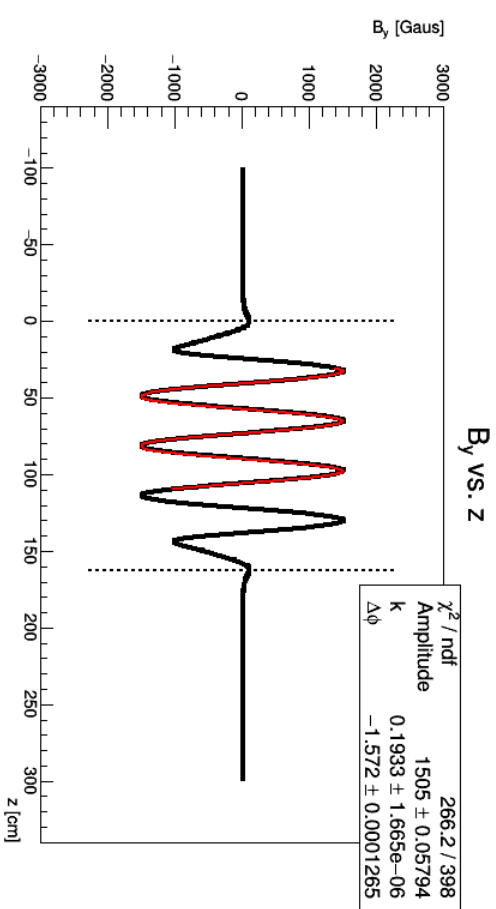
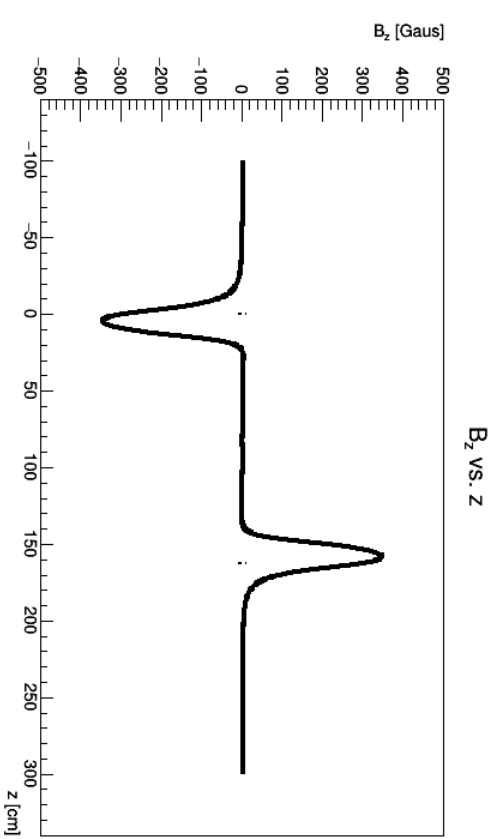
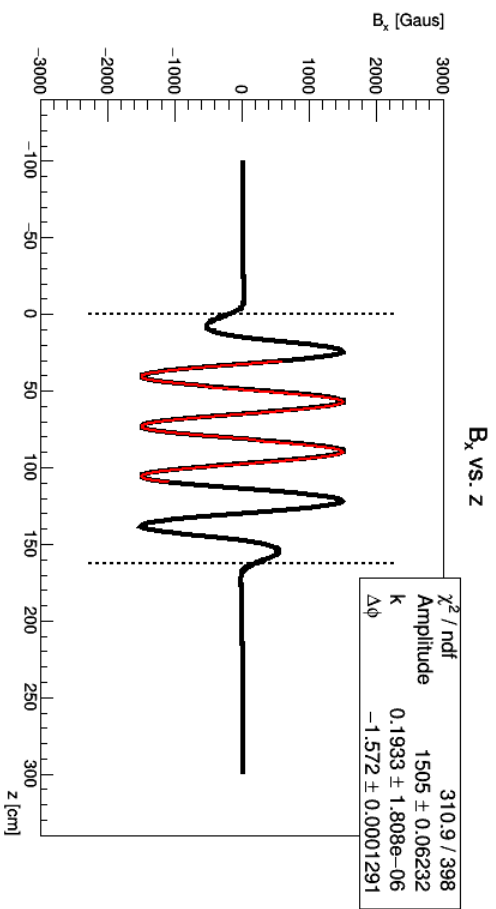


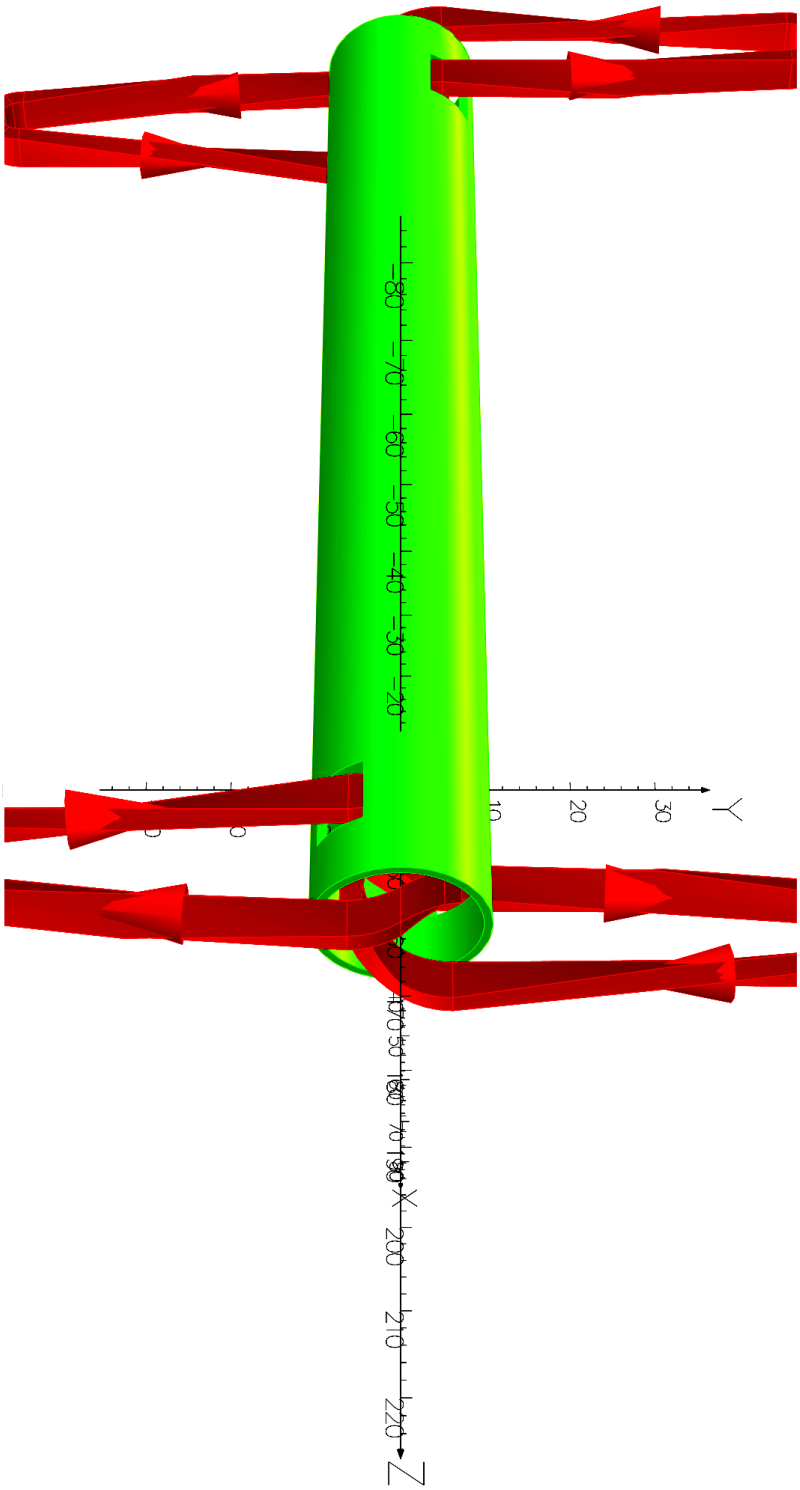
Console

```

@Opera-3d(3DCONTINUIT1) > PICK OPTION-ADD. | PICK PROPERTY>Name LABEL="rectangle"
@Opera-3d(3DCONTINUIT1) > PICK OPTION-CHANGE
@Opera-3d(3DCONTINUIT1) > CELDATA OPTION-MODIFY MATERIAL LABEL="Steel" POTENTIAL="Total" ELEMENTS="quadrangle SIZE=0.2" MEMBER=5 LEVEL=5
  
```





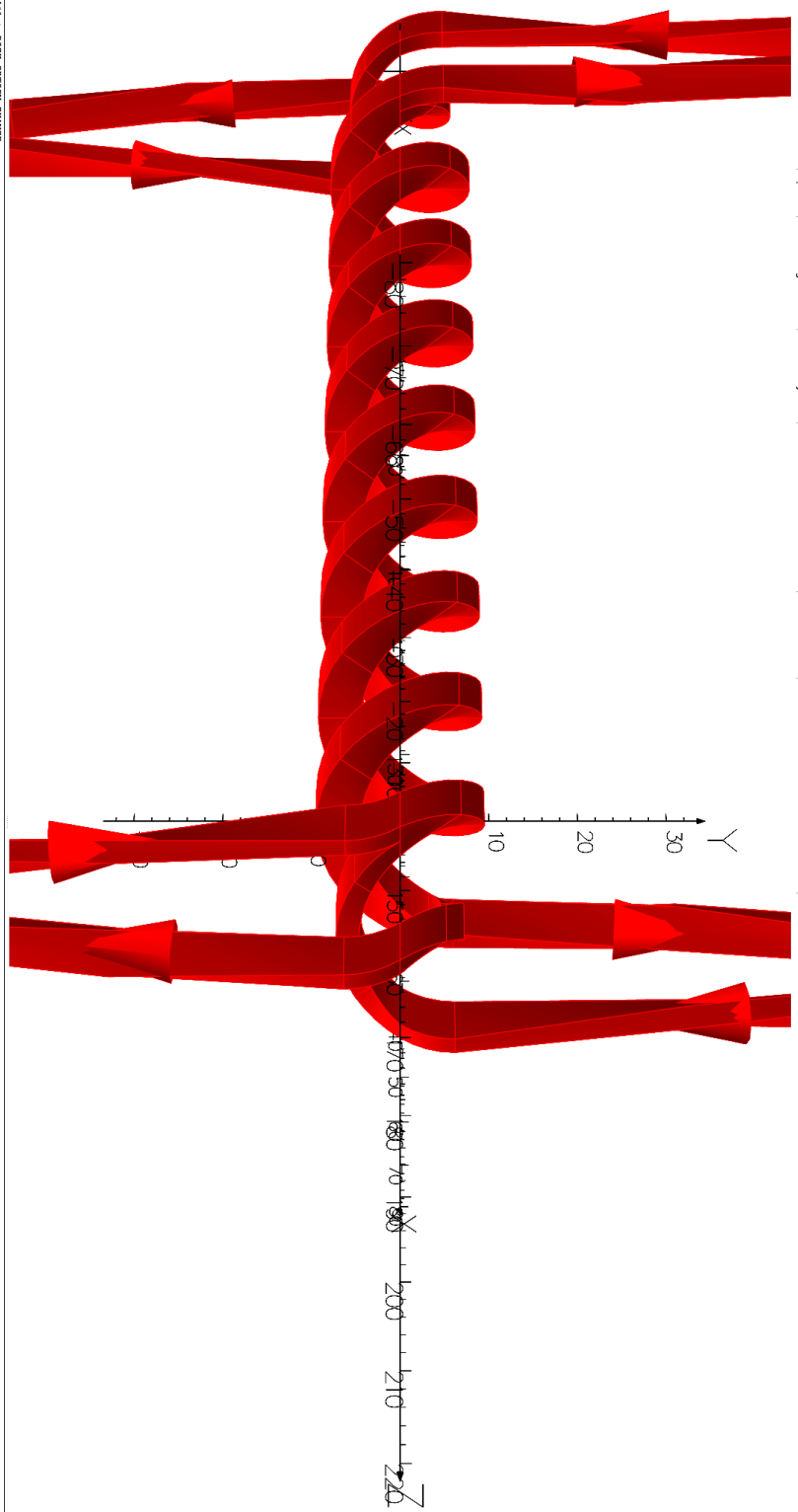


Opera-3d>CONSTRUCT1 > PICK OPTION-CHANGE
 Opera-3d>CONSTRUCT1 > CILINDRA OPTION-MODIFY MATERIALIARBE-Steel POTENTIAL-Total ELEMENTE-quadratico SIZE=0.2*Escala LEVEL=5
 Opera-3d >

Work Modeling Analysis

Save As Save with Mesh Clear All Options History Reply History Com Editor Run User Defined Variables Machines Environment Transformers Winding Tool Select 3D Display View

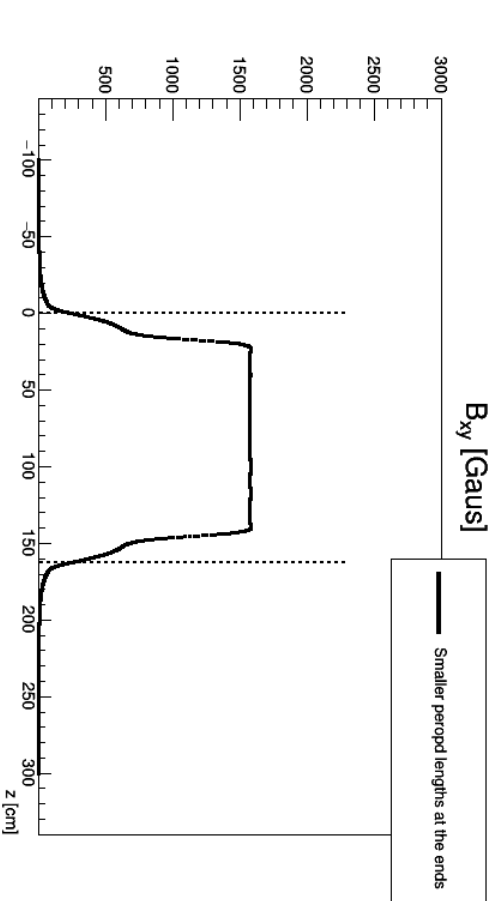
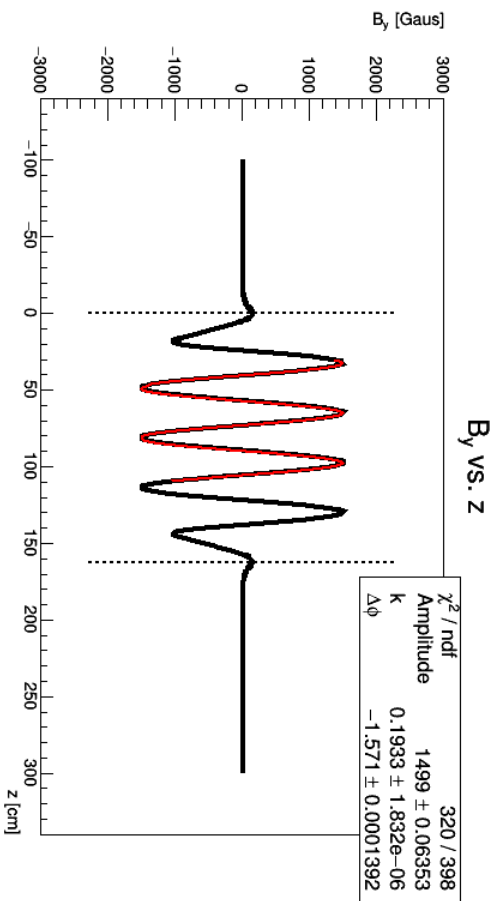
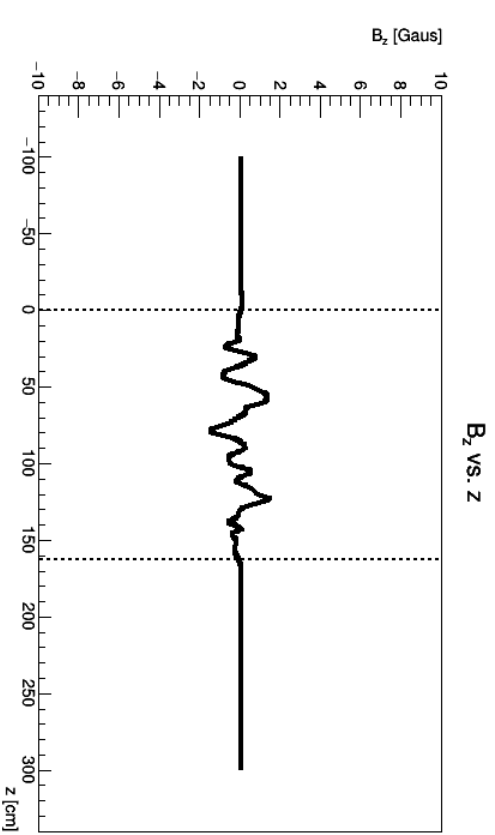
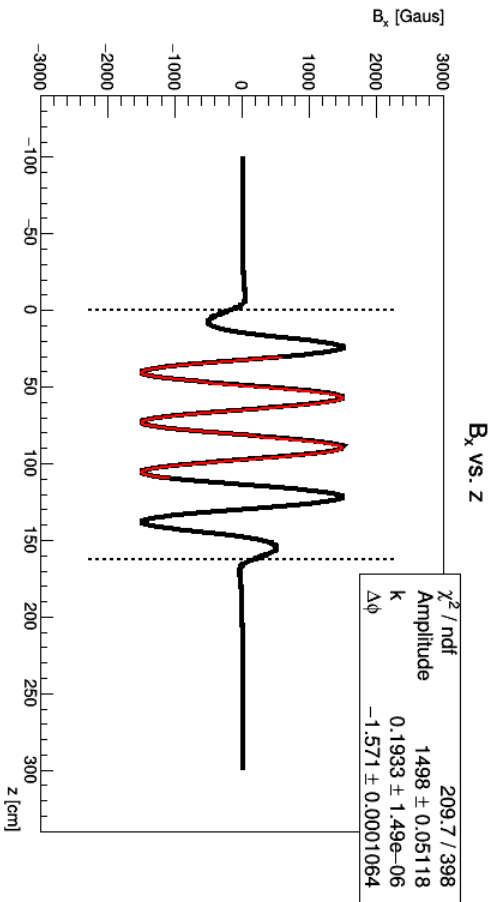
30Oct2018 11:23:48



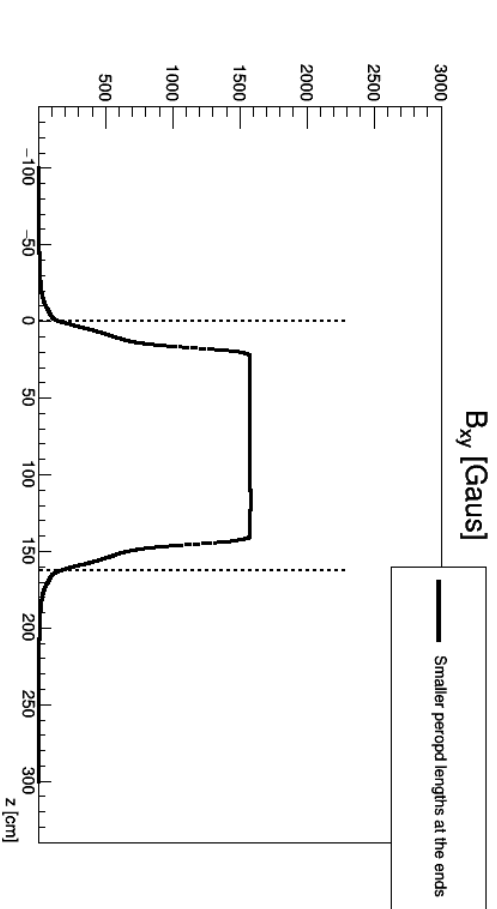
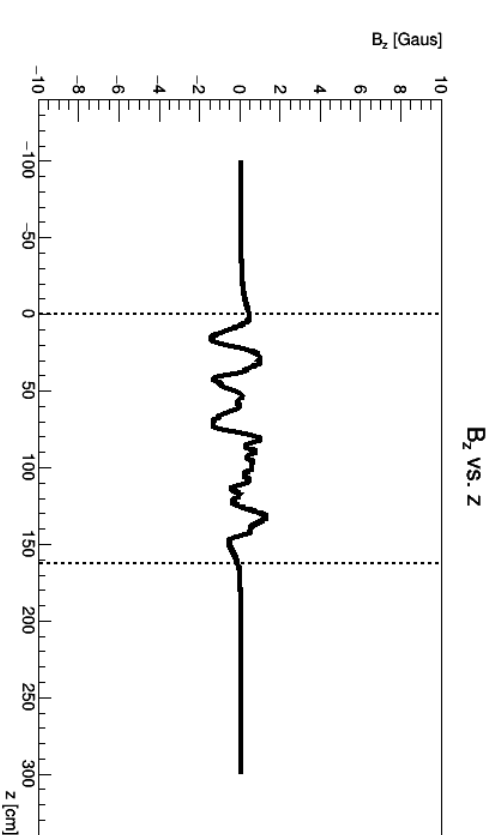
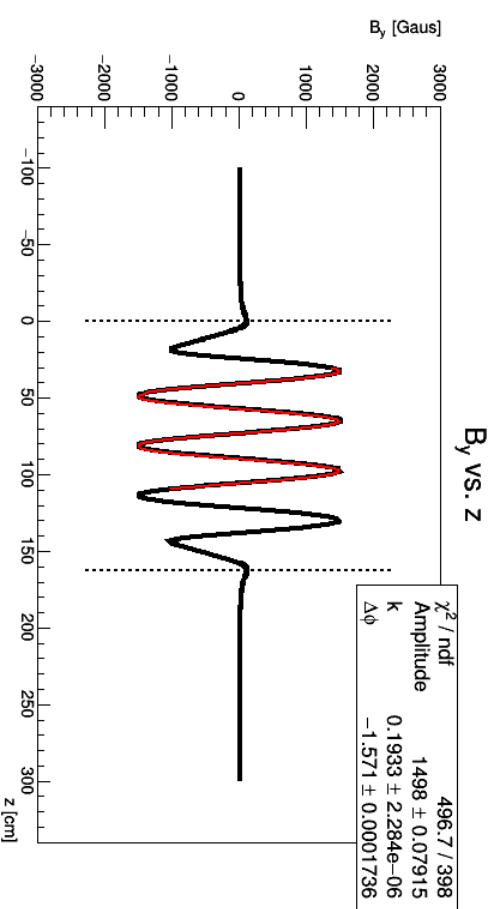
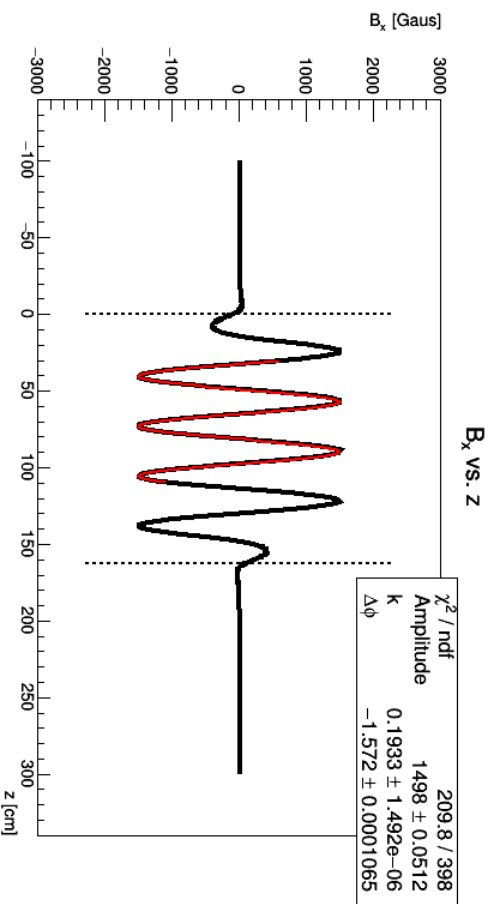
Opera-3d3CONTR0111 > PICK OPTION-CHANGE
 Opera-3d3CONTR0111 > OPERA-3d3CONTR0111 > CALDATA OPTION-MODIFY MATERIAL-LABEL=Steel POTENTIAL-TOTAL ELECTYPE=quadratic SIZE=0.2#meshscale LEVEL=5
 Opera-3d3CONTR0111 > Opera-3d3 >

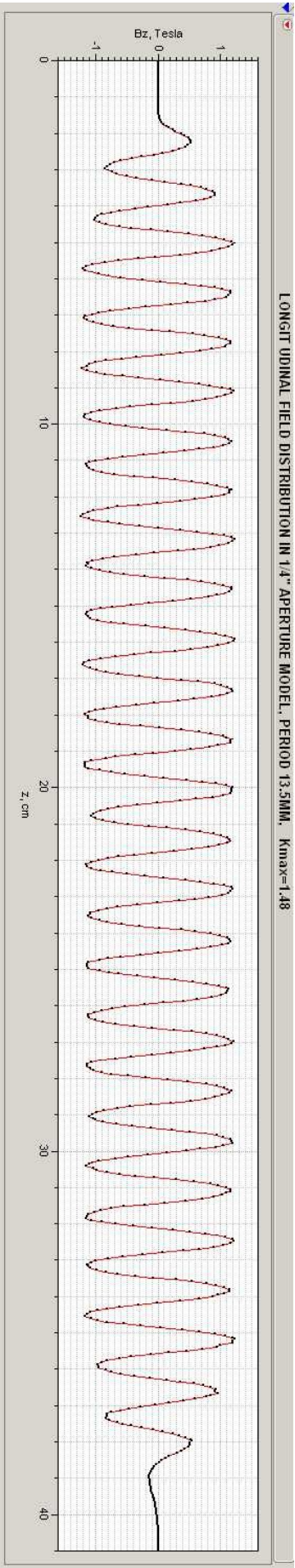
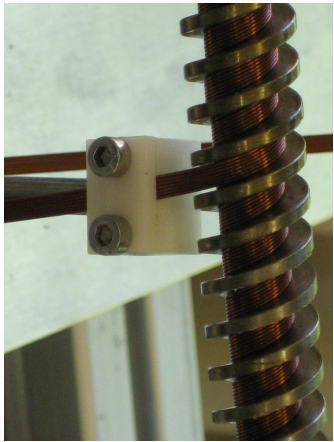
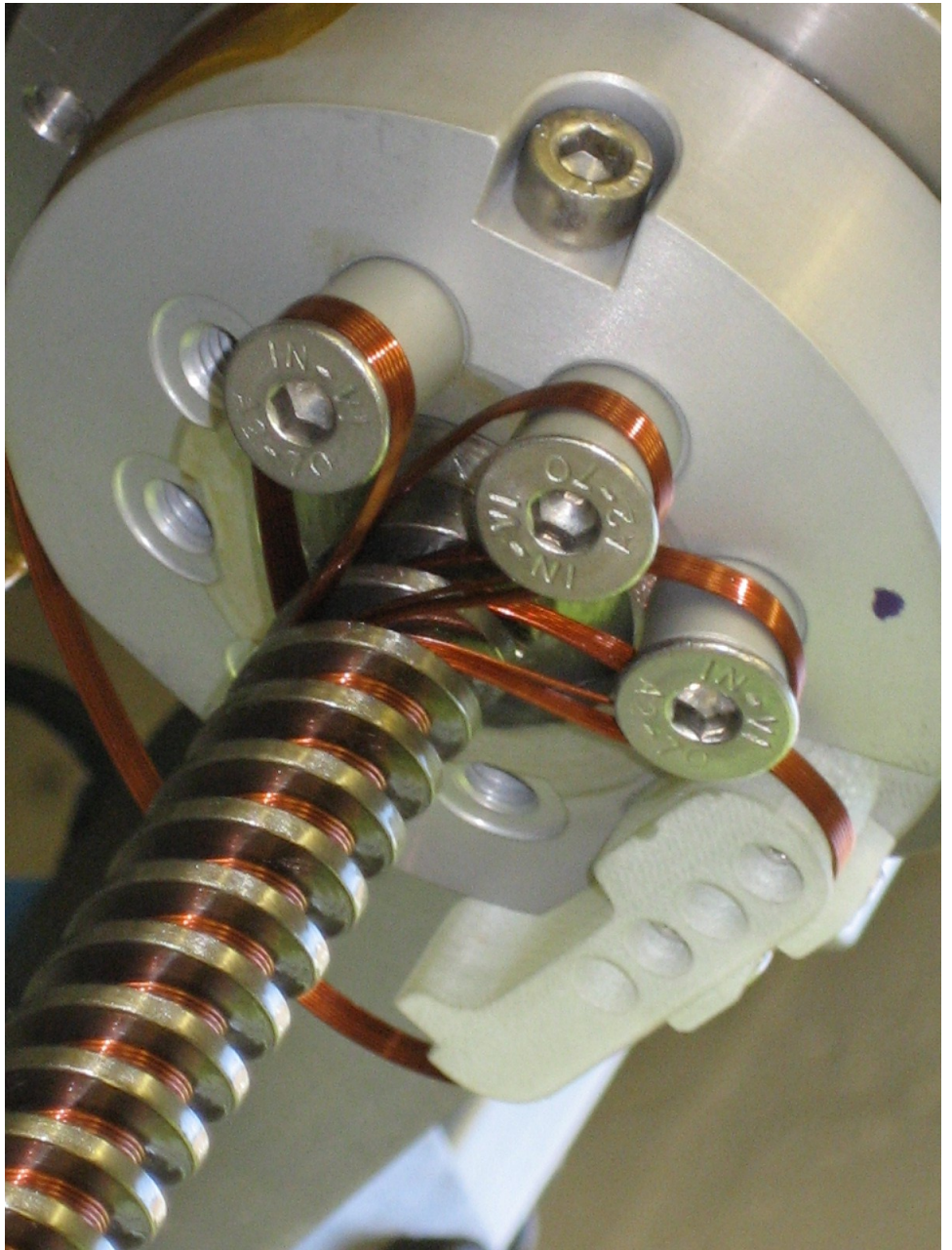
Component 0 0 0 0 100 global coordinate system





End conductors horizontal exit

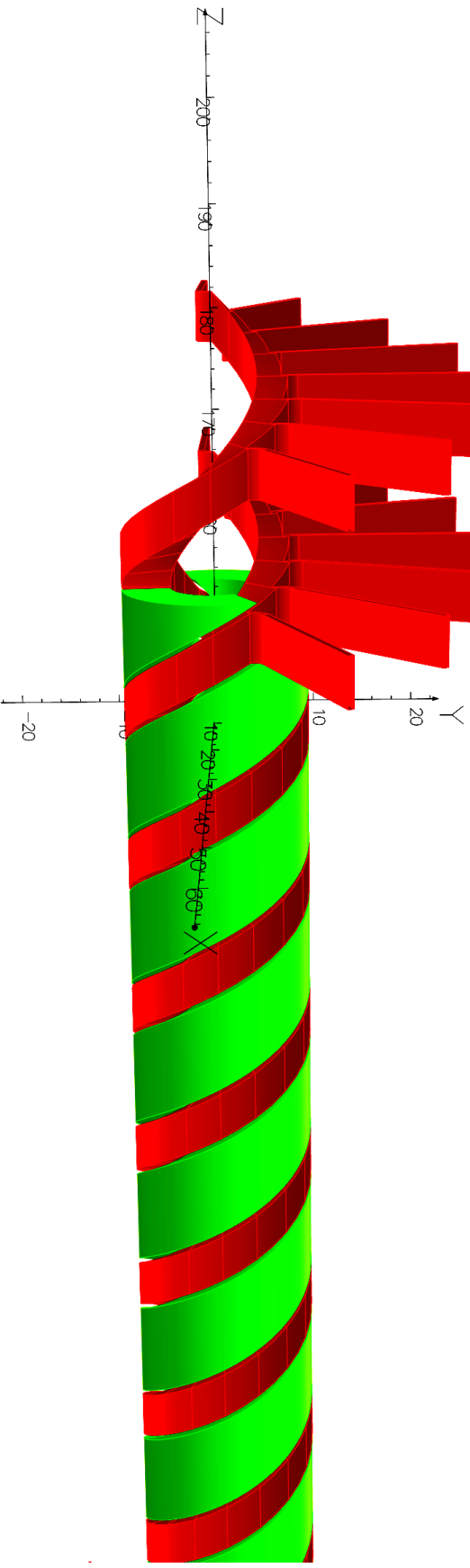




Work Modeling Analysis

Save As Save with Mesh Clear All Print Animations History Reply Editor Run Command Files User Defined Variables Machines Environment Transformers Winding Tool Select 3d Display View

30/07/2018 11:02:50



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@ OPERA-3D>CONINUT[1] > COMBIN-OPERATION>OPERACT-REGURAN
@ OPERA-3D>CONINUT[1] > FILTER TYPE-CELL
OPERA-3D>CONINUT[1] > PICK PROPERTY-NAME LABEL="steelsteel101"
OPERA-3D>CONINUT[1] > PICK OPTION-ADD
OPERA-3D>CONINUT[1] > PICK OPTION-CHANGE
OPERA-3D>CONINUT[1] > CELDATA OPTION-MODIFY MATERIAL-LABEL="Steel" POTENTIAL-Total ELEMENT-type="quadratic" SIZE=0.2 *meshscale LEVEL=5
OPERA-3D>CONINUT[1] > END
OPERA-3D>CONINUT[1] > END
Done changes within the model will be lost.
YES or NO
OP-END>CONINUT[1] > NO
End of command file.
OPERA-3D > THREAD OPTION-GETVIEW
OPERA-3D > THREAD XORIGIN=0.815321154614879 YORIGIN=0 ZORIGIN=140 ROTX=50 ROTY=50 ROTZ=0 XASPECT=1 YASPECT=1 ZASPECT=1 SIZE=25 FACTOR=10 PERSPECTIVE=YES LINECOLOR=YES OPTION-SETVIEW
OPERA-3D >
  
```



