

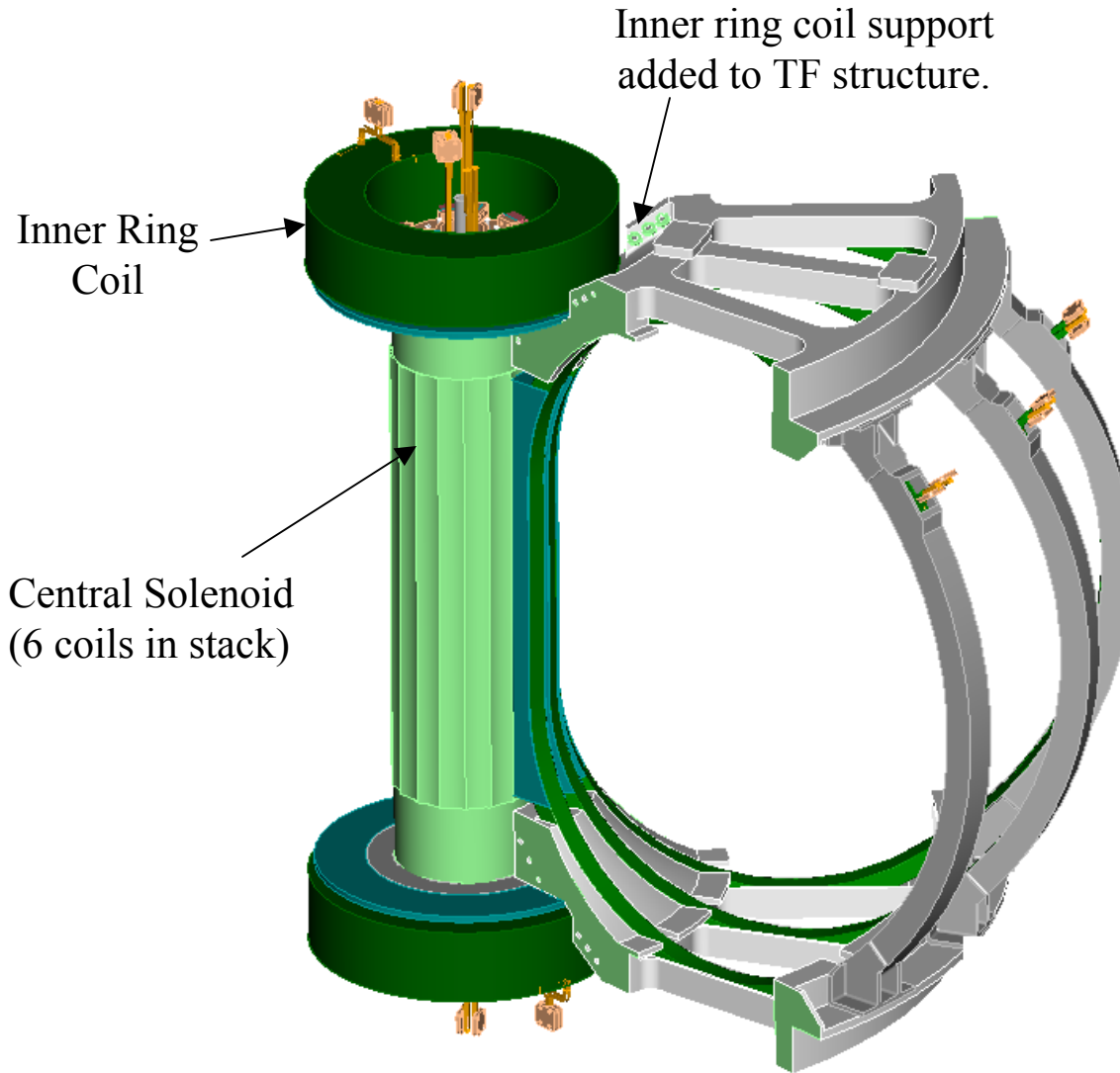
# CS Configuration

T. Brown

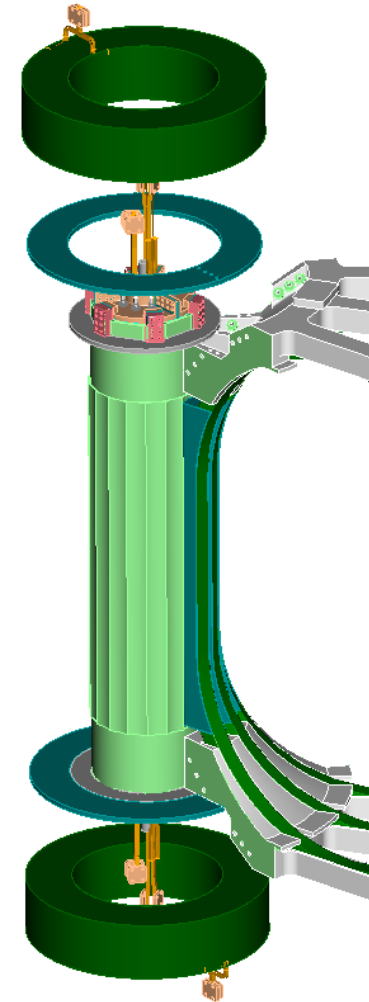
NCSX Engineering meeting

January 15, 2003

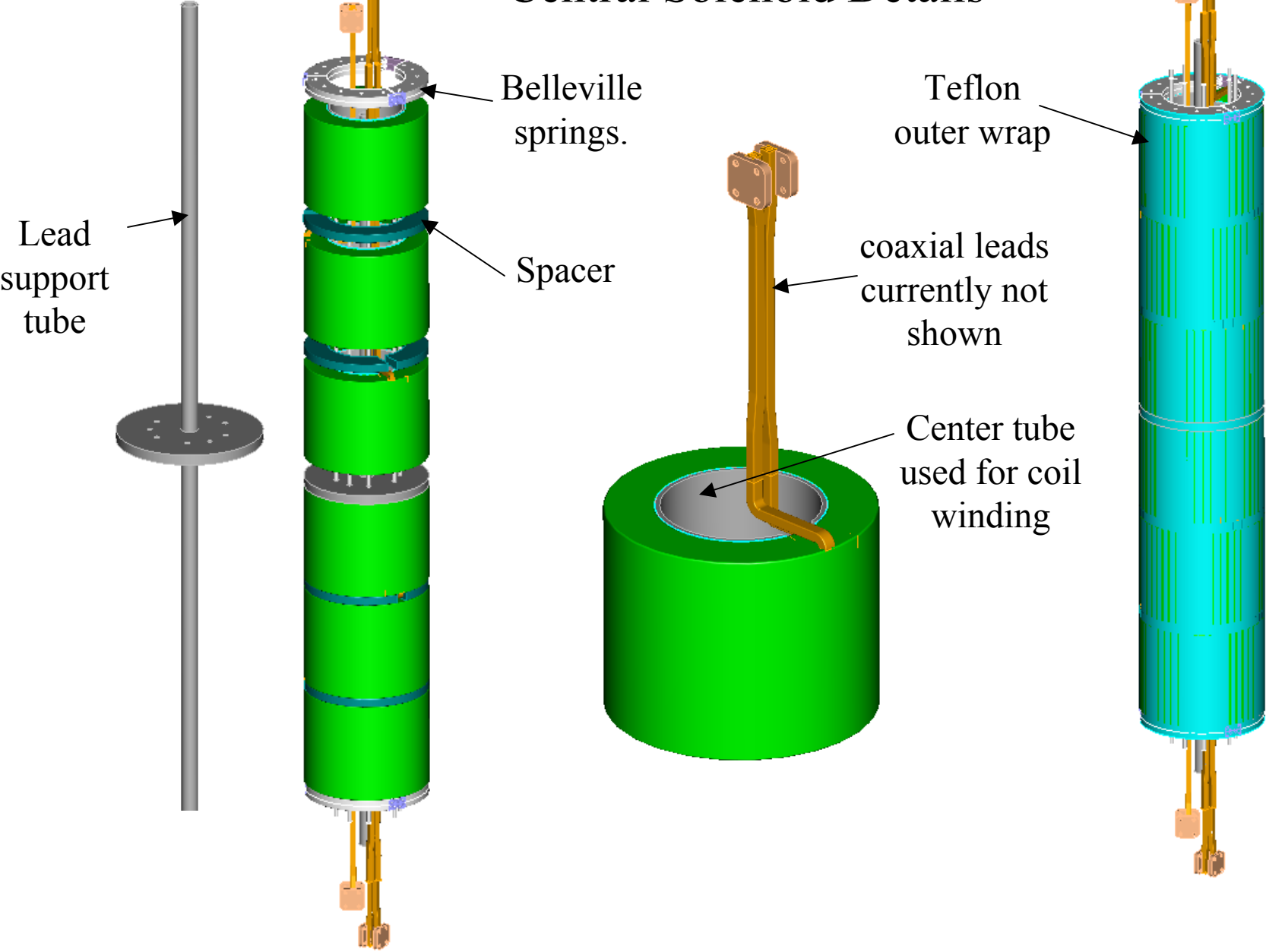
# CS / Inner Ring Coil / TF interface



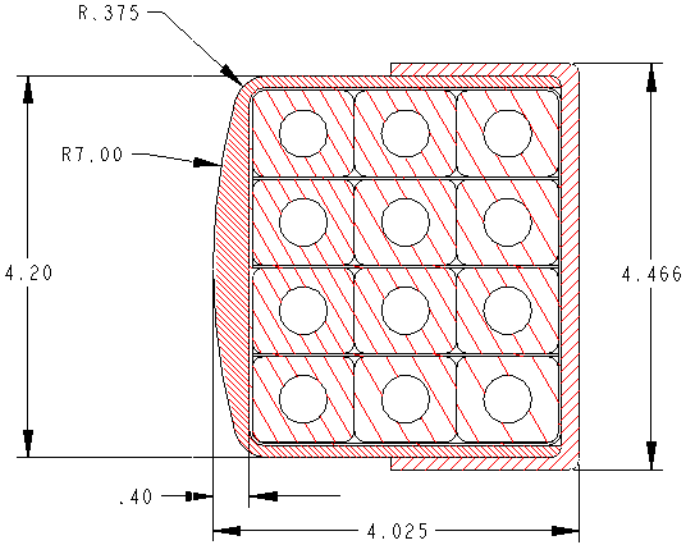
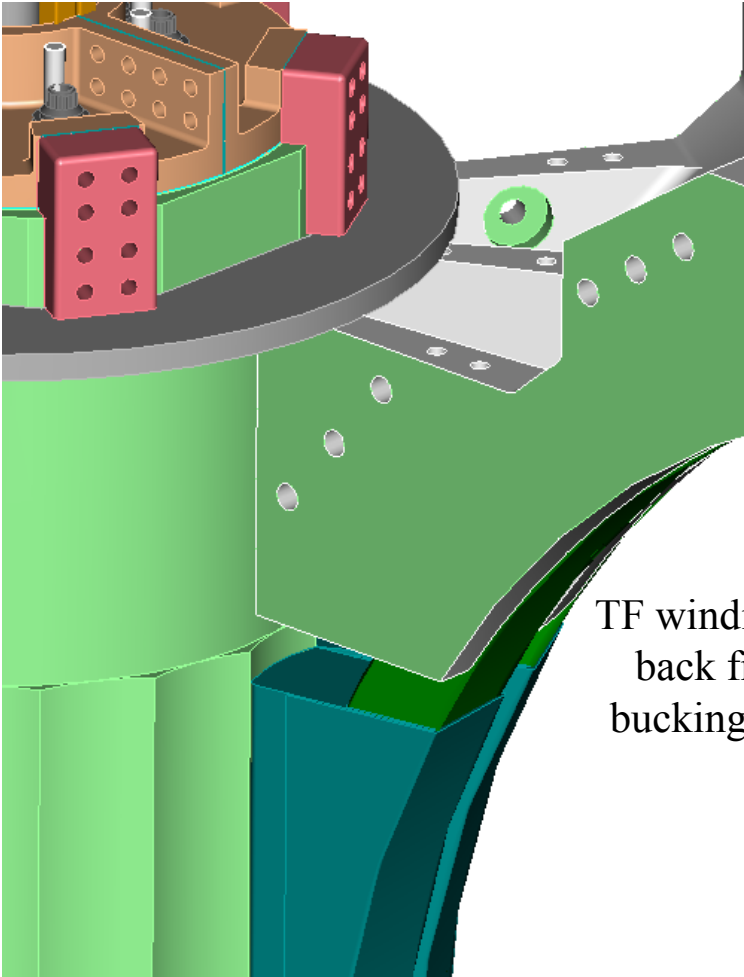
Exploded view showing  
inner ring coil assembly



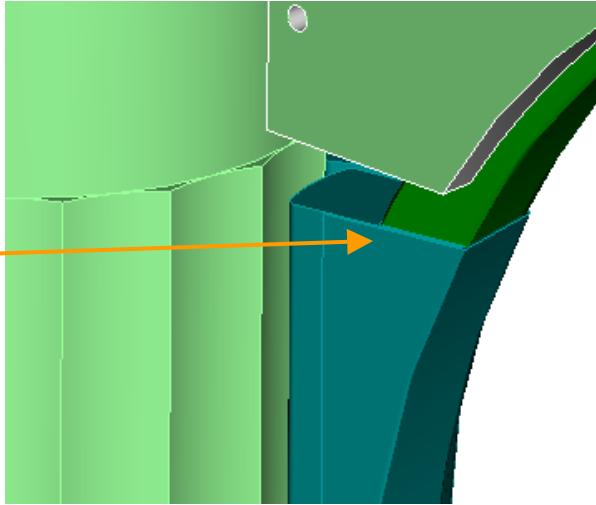
# Central Solenoid Details



# TF / bucking cylinder Interface



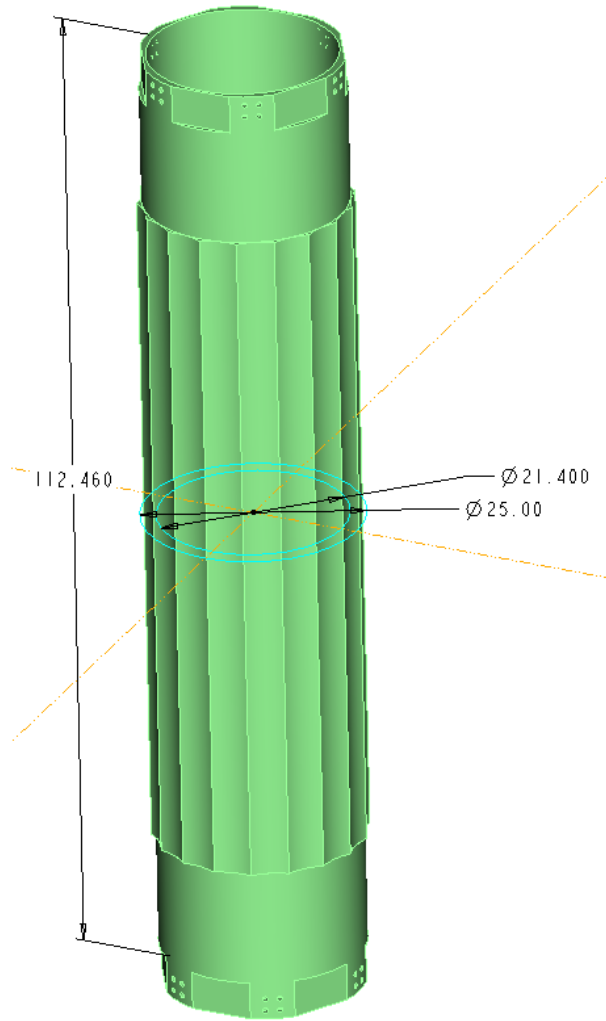
TF winding pulled  
back from the  
bucking cylinder



## Design Options:

- Continuous S/S bucking cylinder
  - support independent of windings
  - support in combination with winding
  
- Segmented S/S bucking cylinder keyed for torsional continuity
  - support independent of windings
  - support in combination with winding
  
- Glass-epoxy bucking cylinder with support in combination with winding
  - continuous length over the full CS
  - localized around each CS coil, keyed to adjoining coils

# Continuous bucking cylinder



# Segmented bucking cylinder keyed for torsional continuity

