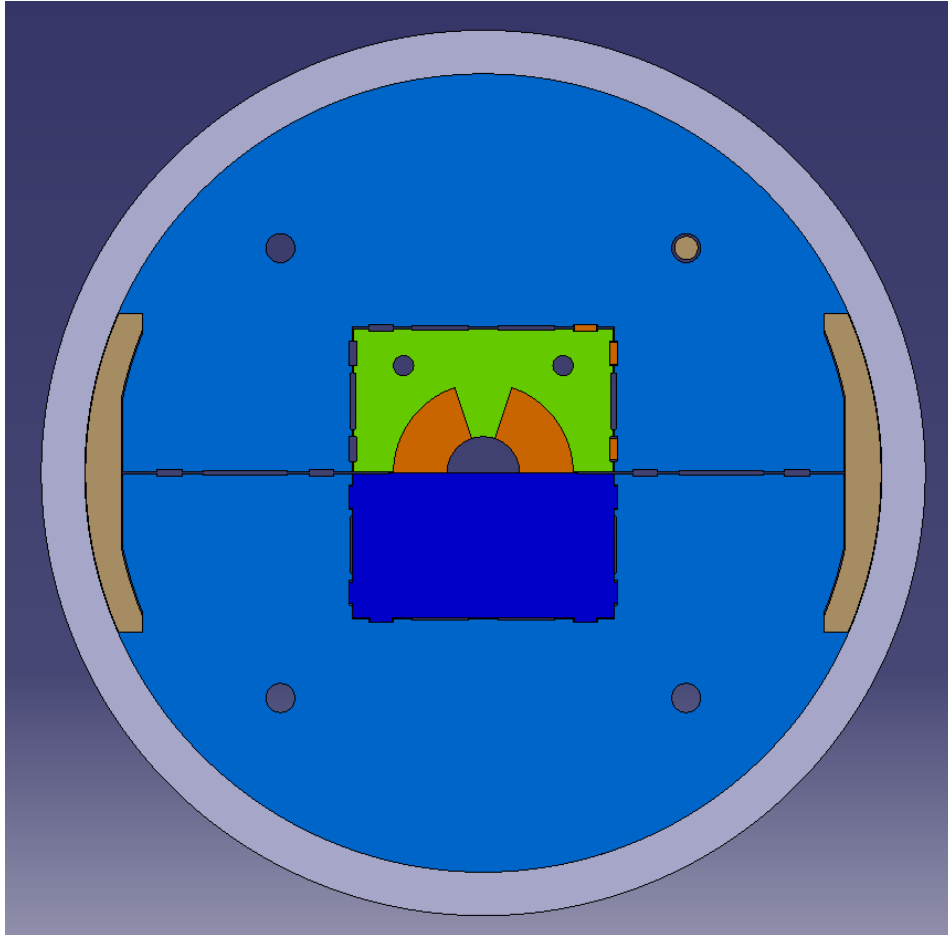


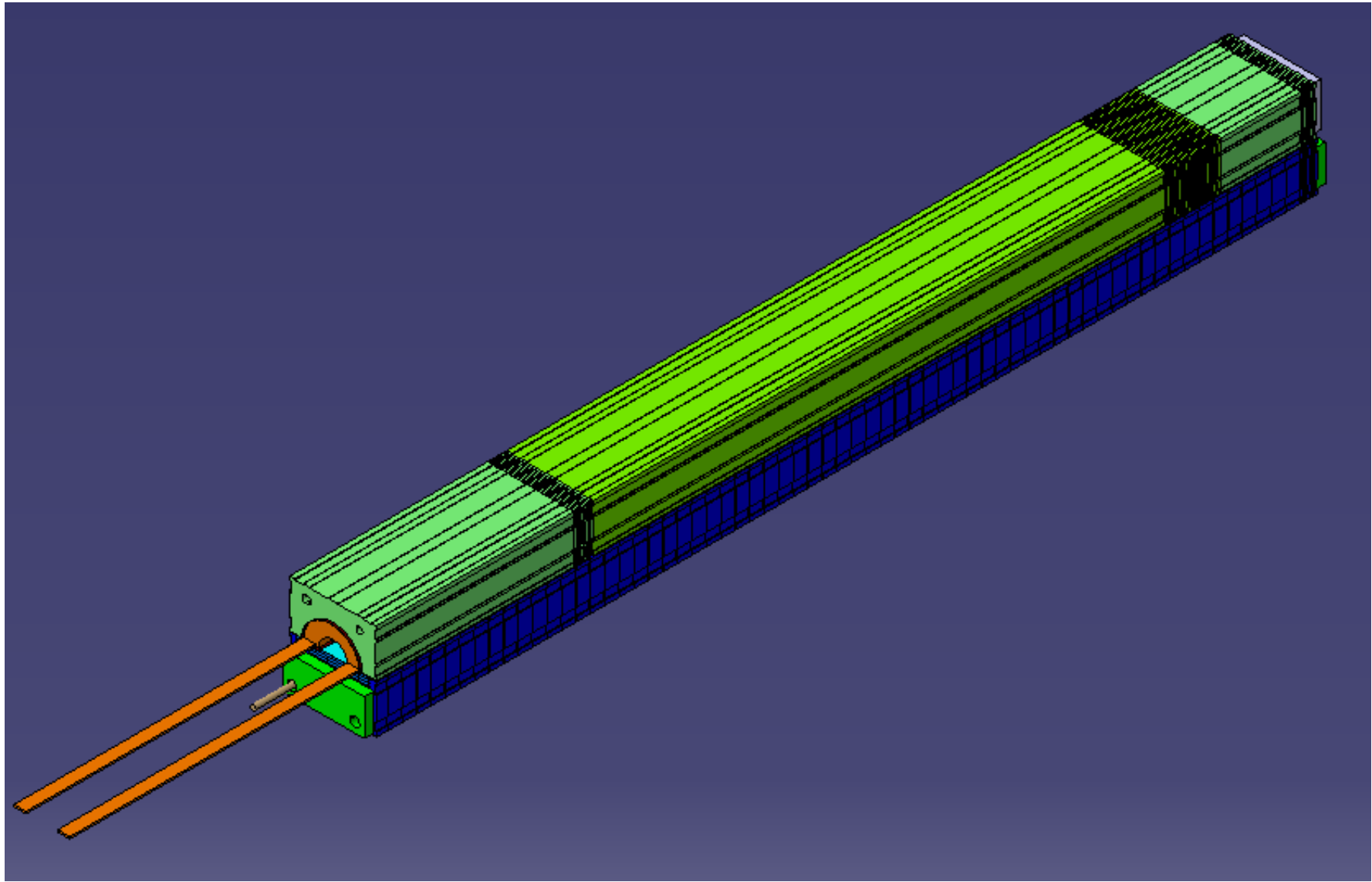
Mirror coil structure

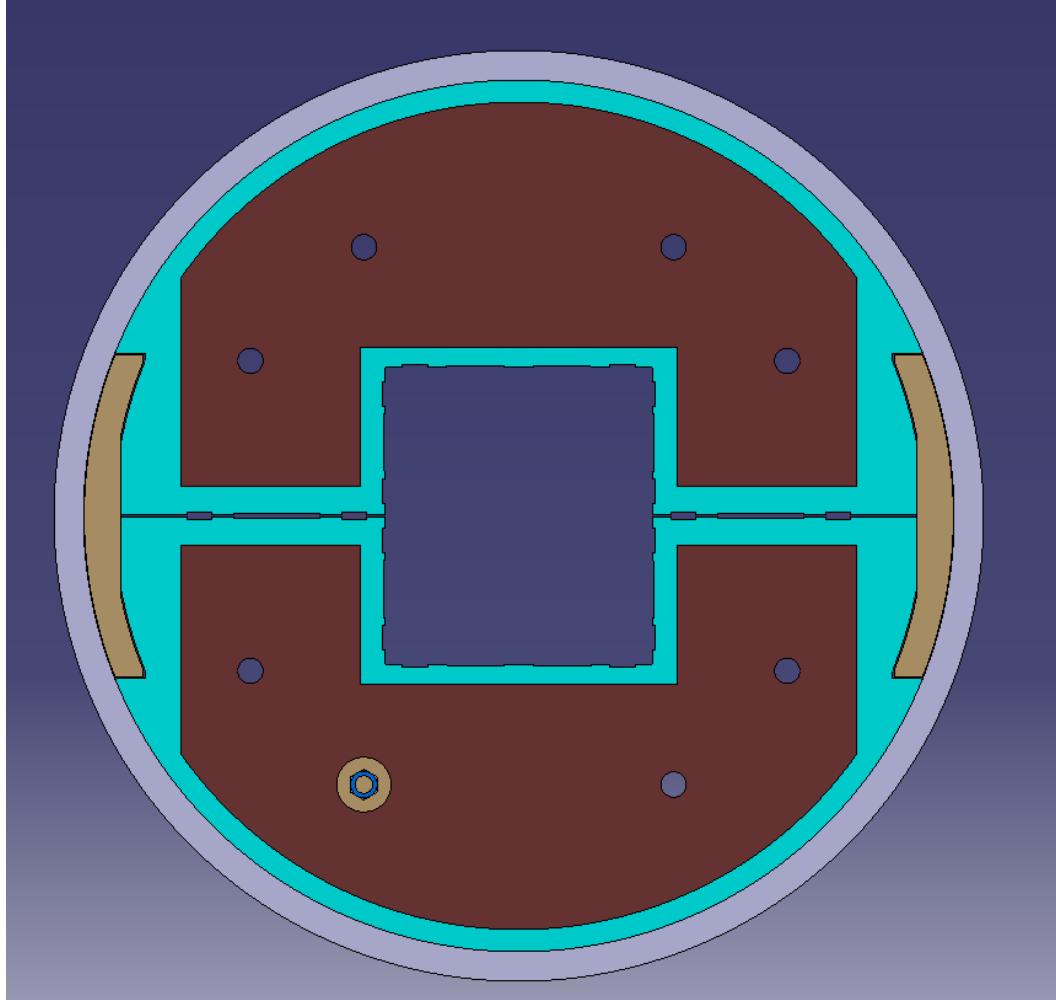
Short version



Drawings from Nikolina Vejnovic (MME)

- External structure assembled the first time only. Cylinder forced at hot around iron yoke halves and aluminium stoppers. It fits at 250 C so we heat at 400 C to get rid of tolerances.
- Iron yoke gap can be tuned via keys.
- Vertical or horizontal gap (insert can be turned).
- Mirror insert , can be removed and become a single aperture
- A block coil (40 mm aperture) can probably fit.
- Bladders and keys.
- In a long configuration shell welding + domes (or plates) at the extremities. Long bladders (thicker tubes? Welded parts (Nico did something in the past)?).





11 T coils can fit. Test of the structure with a known coil?

Optimized around 12 T $\cos\theta$ coils but other 'things' could fit.

Up to 2-m long coils.

