

ILD and QD0

---

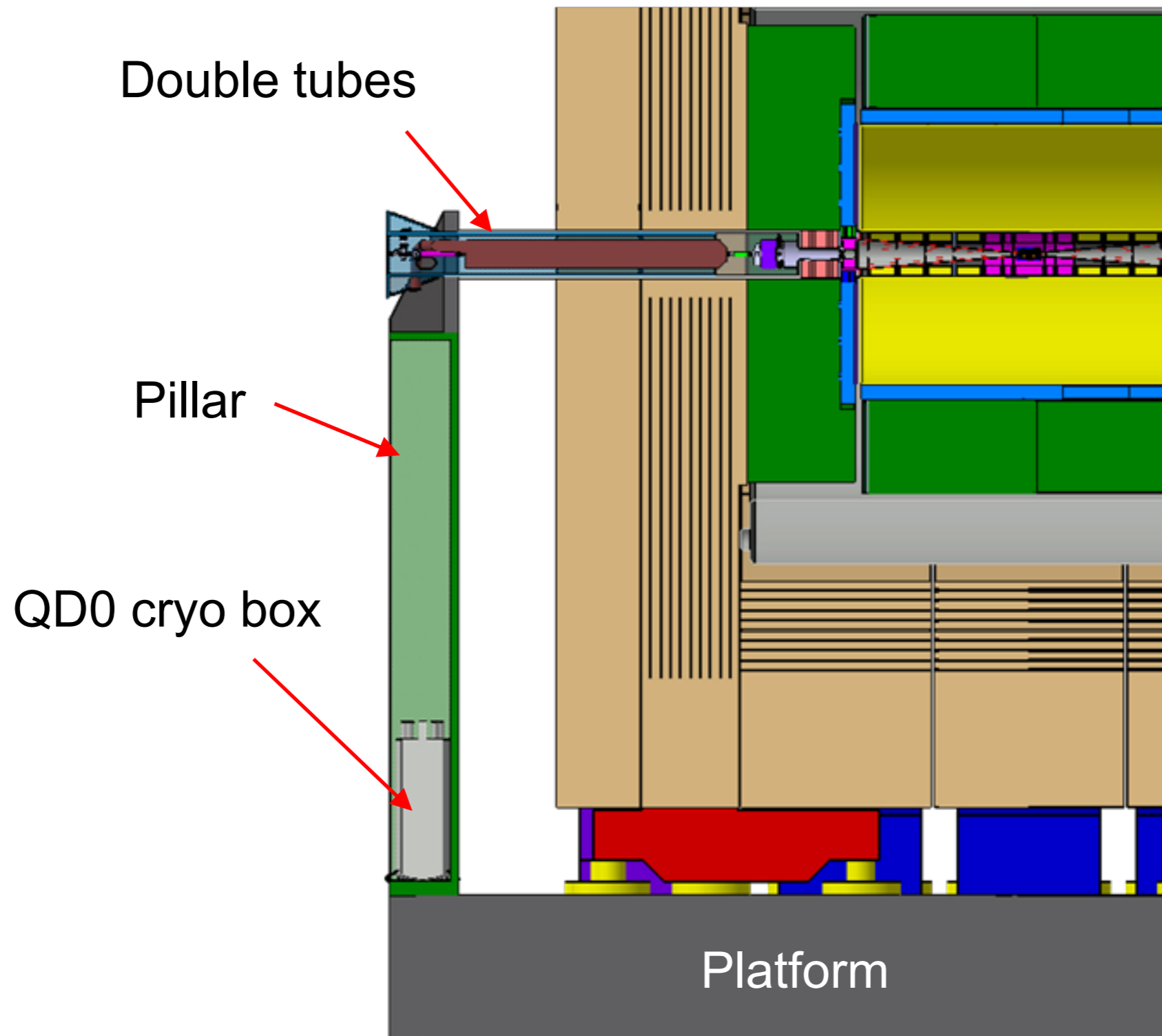
Karsten Buesser

14.11.2013

LCWS13 Tokyo

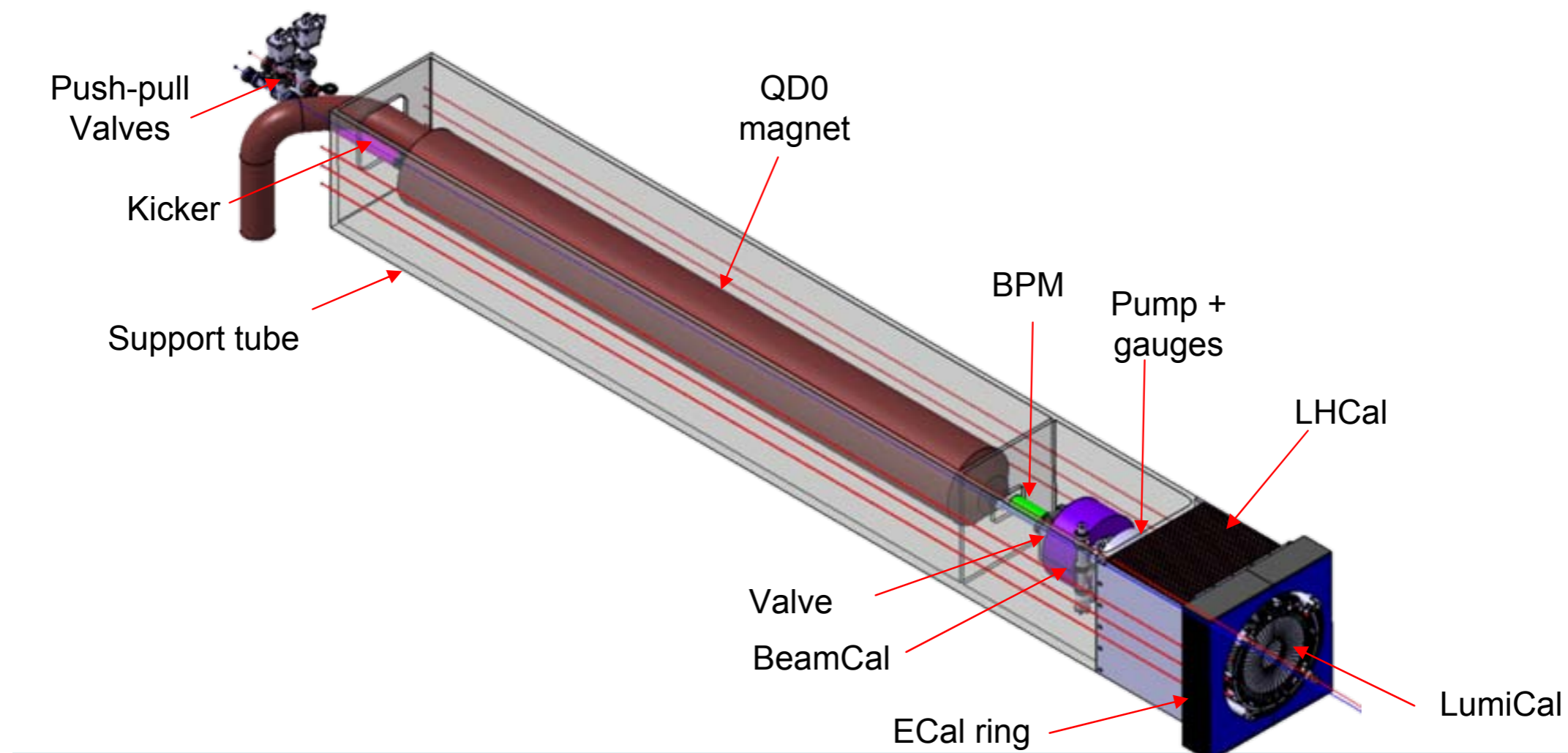
# ILD QD0 Integration

---



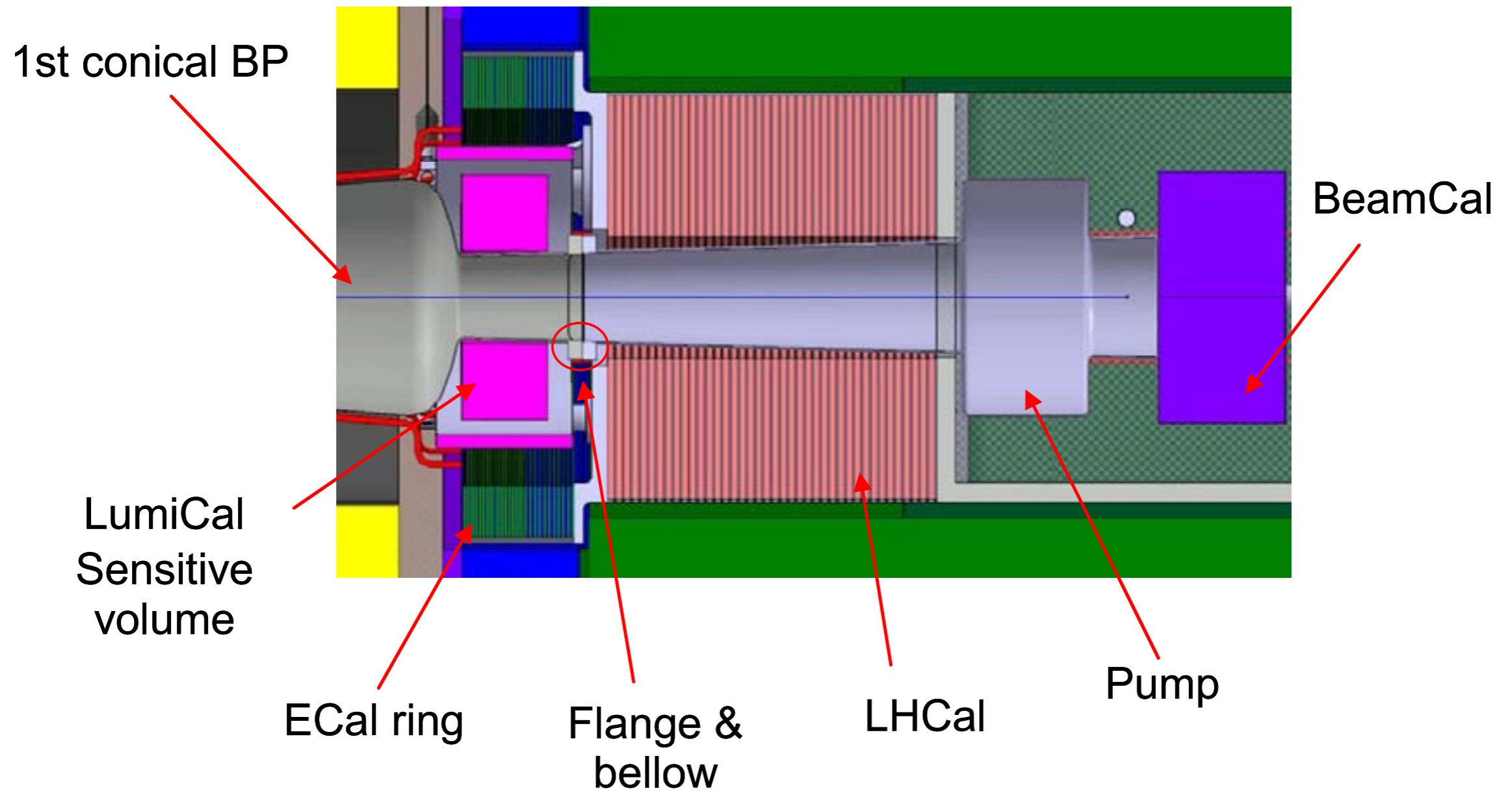
# QD0 and FCAL Support in ILD

---

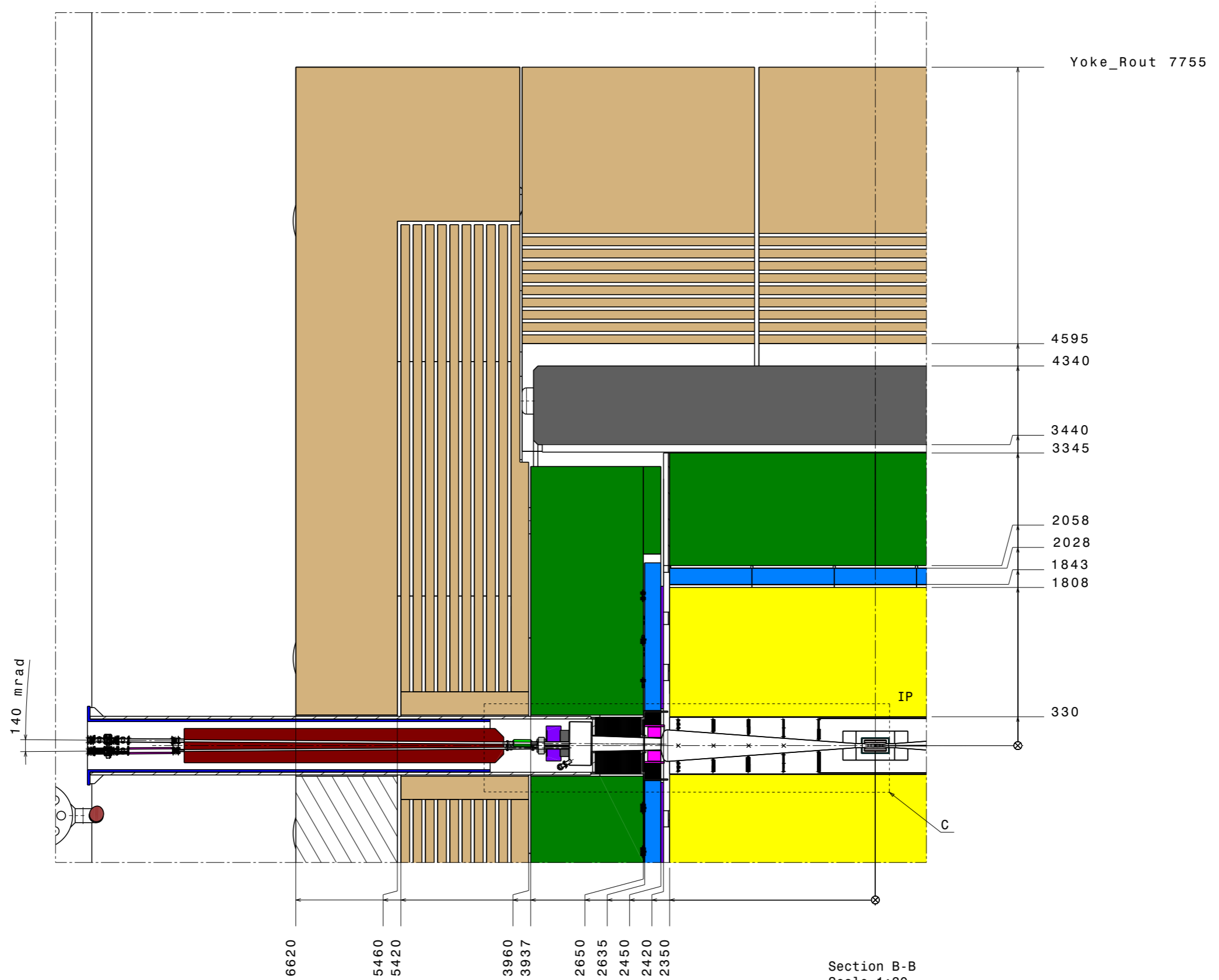


# ILD Forward Region

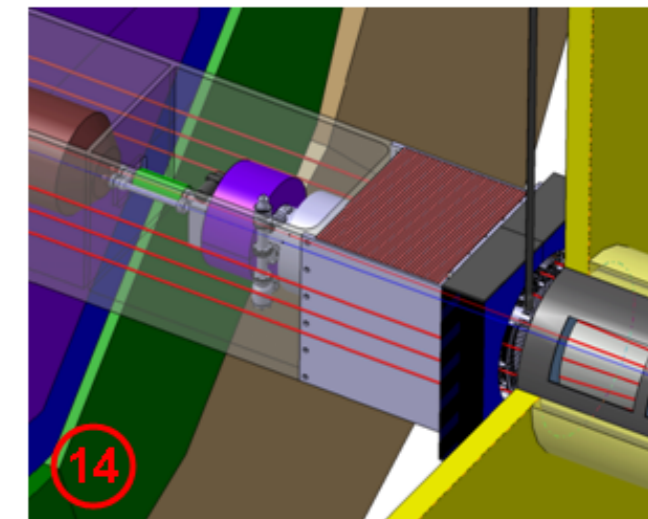
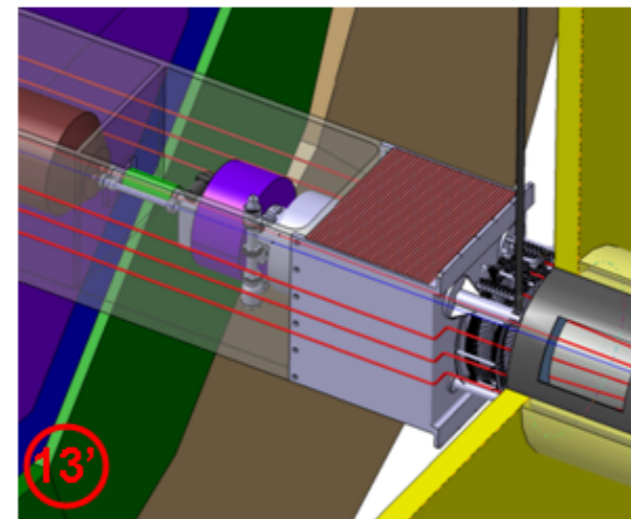
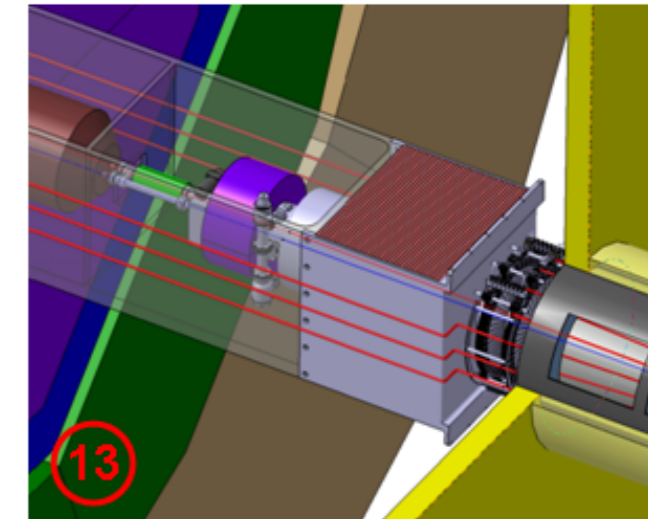
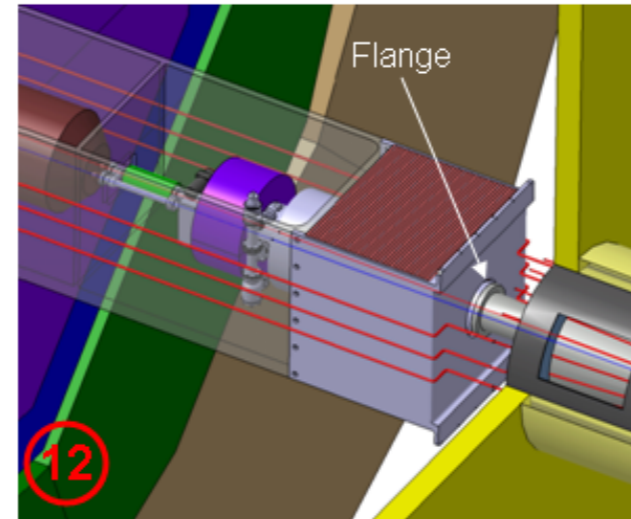
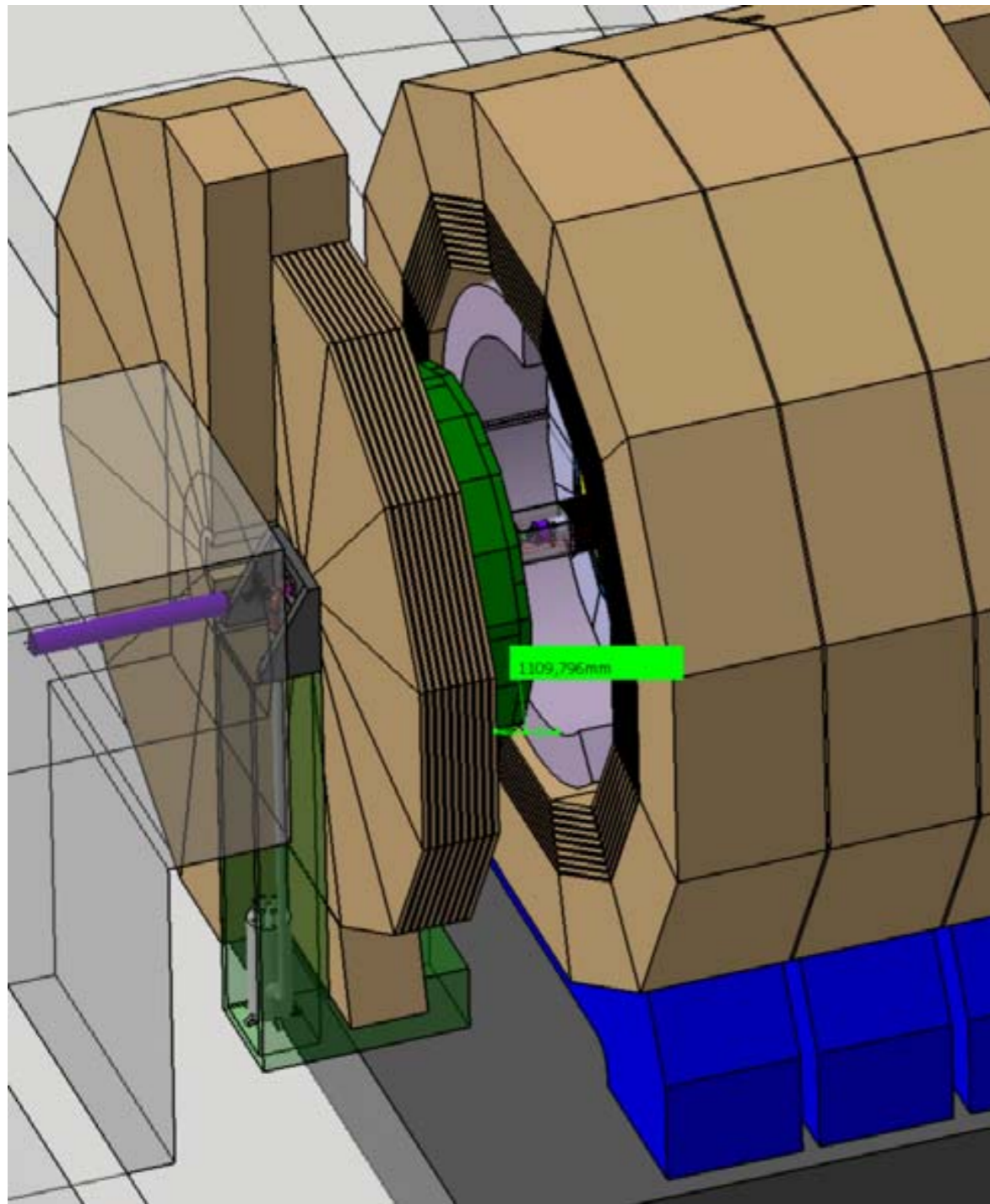
---



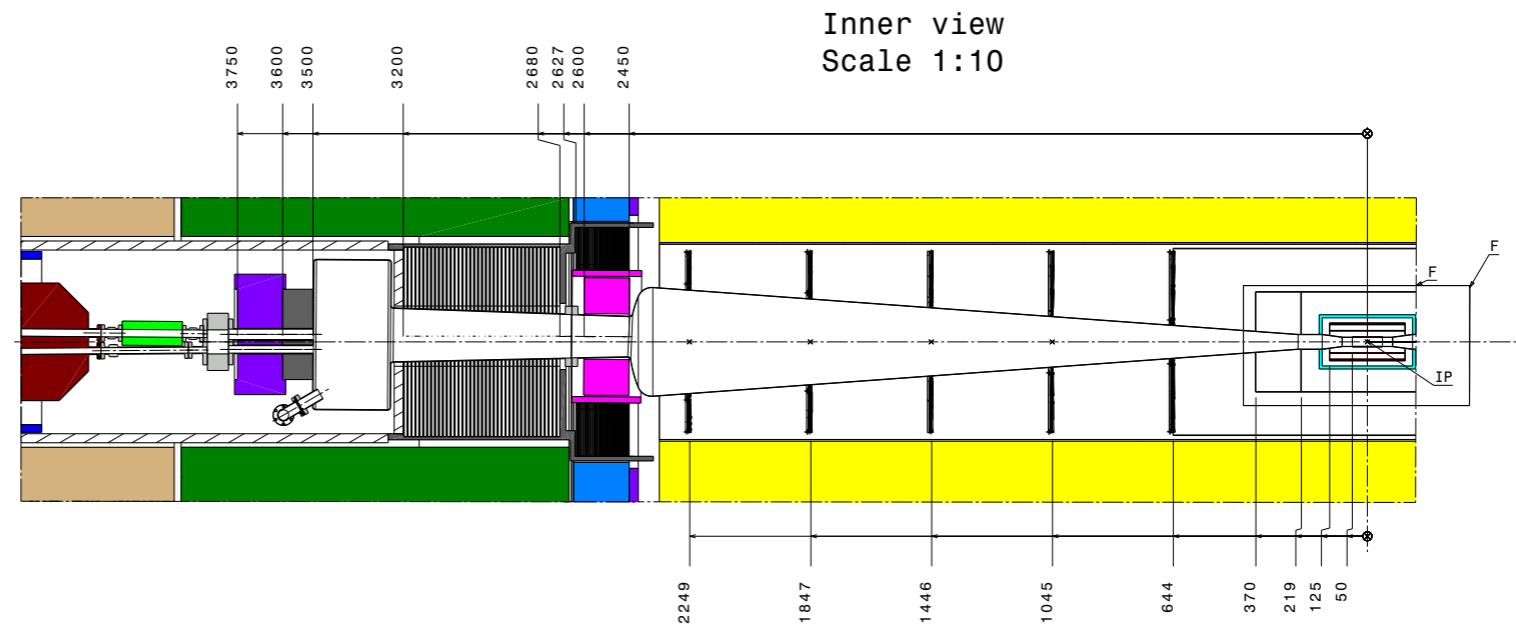
# ILD Dimensions



# ILD Opening Procedure



# Current Constraints



- QD0 including supports, movers, supplies needs to fit into tube with  $r \sim 300\text{mm}$ 
  - same structure is also support for forward calorimeters
- Yoke endcaps could have larger hole without large impact on physics
- but HCAL endcaps are attached to yoke and increasing the hole there might be problematic
- Tapered solution might work if support structure can be pulled out of the detector
  - need automatic valves and patch panels - possible?