Backward Ecal / EEEMCal

Triple I Engineering Meeting Update (02/06/2025)

Julien Bettane



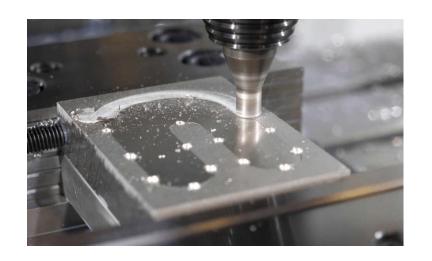


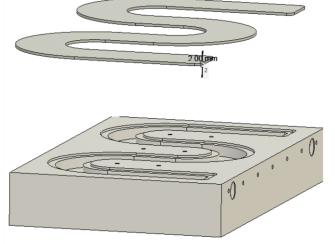


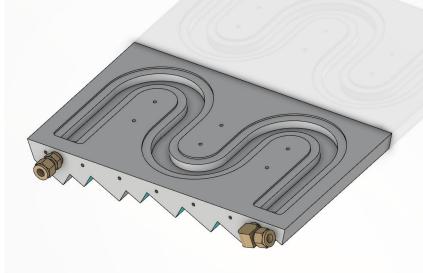
Prototype External structure (1/12) – FSW

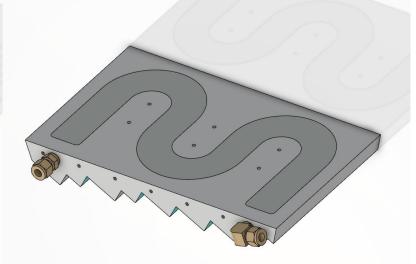


- ☐ Prototype to check the efficiency of the cooling
- ☐ Test the Friction Stir Welding (FSW) technology
- ☐ Good watertightness and good for the pressure
- ☐ Order placed at the end of may
- ☐ Price expensive to record parameters, will used for the entire structure





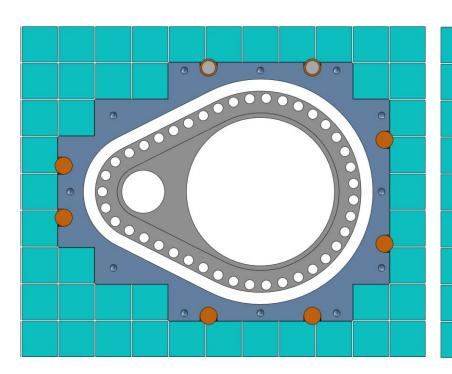


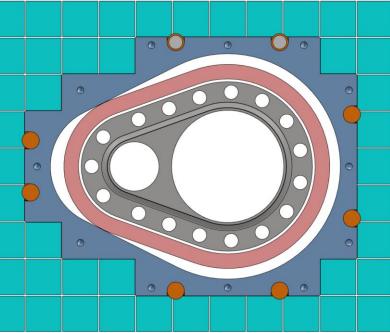


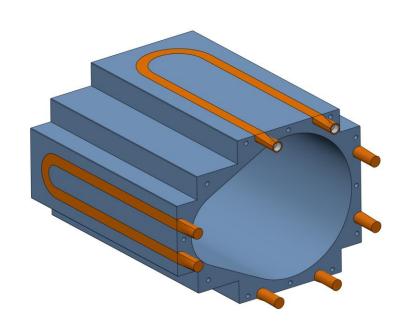
Prototype Internal structure – Copper tubes



- ☐ Prototype with copper tubes
- ☐ First quote received at the end of may
- \Box Designed with the old version of the flange \rightarrow Update with the new design sent by Roland
- \square 10 mm clearance required all around \rightarrow Probably not possible to add crystals



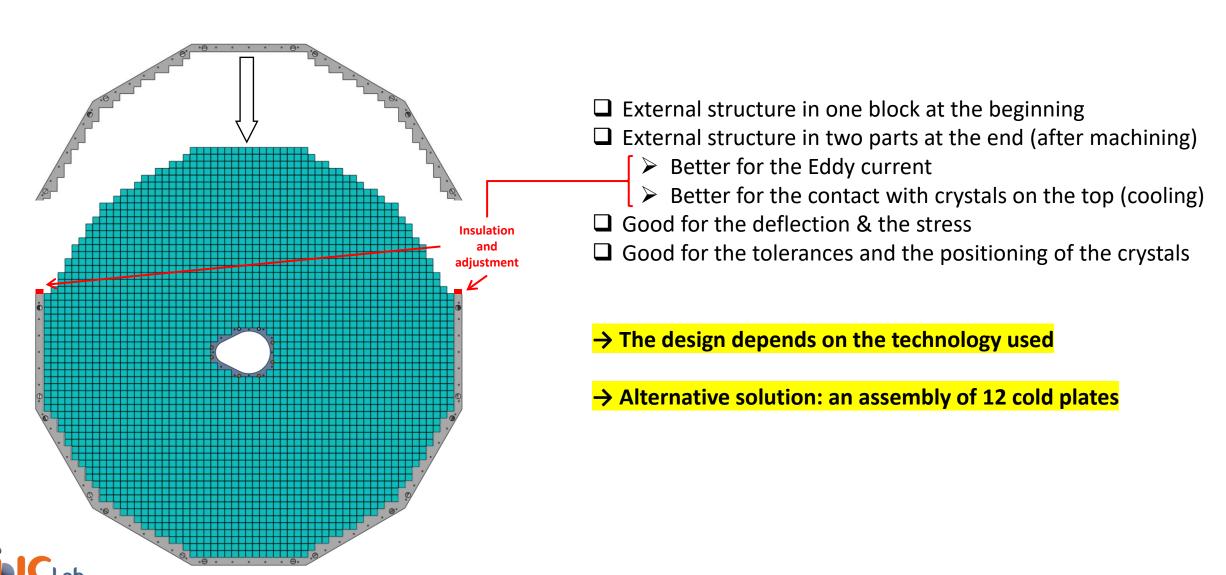






Fabrication of the External structure





Design & Cooling for the FEB

Laboratoire de Physique des 2 Infinis



