

# PID activities in Bari

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On behalf of Bari group

INFN Bari

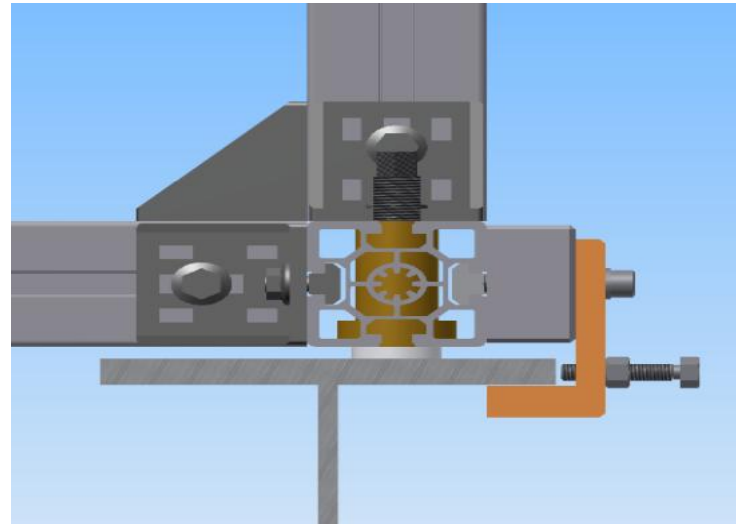
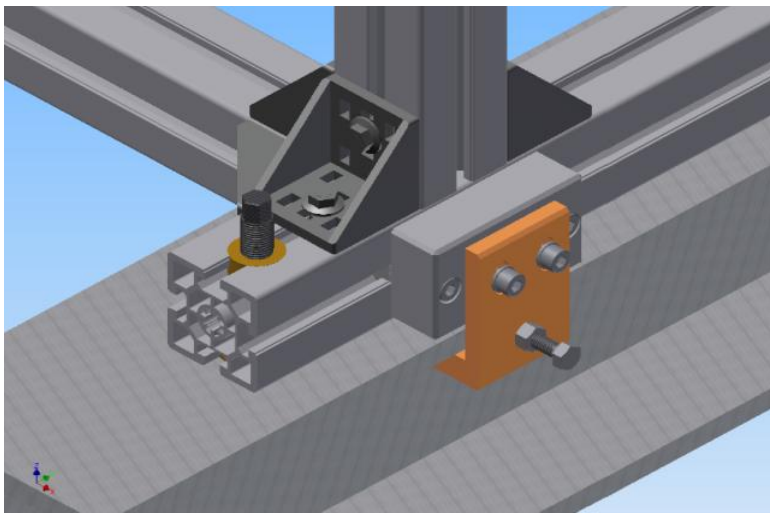
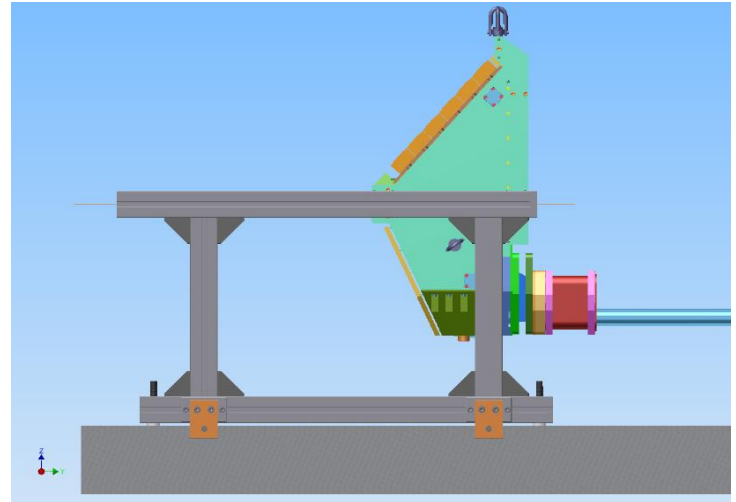
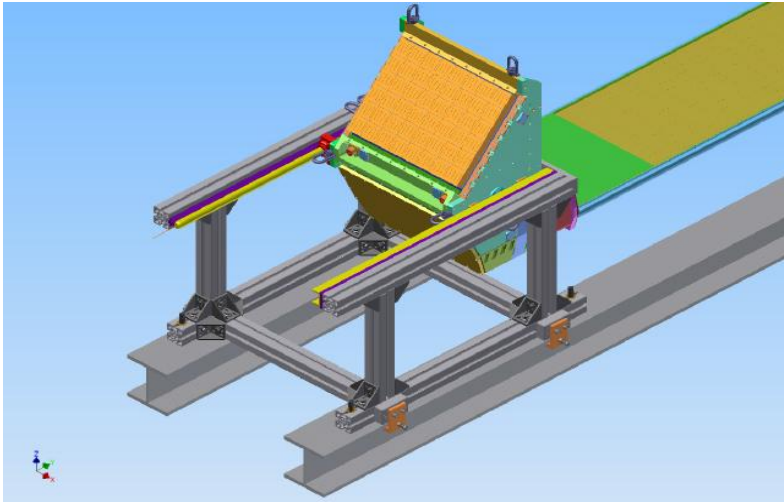
PID Barrel Elba May 31, 2011

# Outline

- **CRT Mechanical Activities:**
  - **FBOX support**
  - **FBLOCK + new wedge dummy**
- **Lab activities**
  - **MaPMT scanning setup**
- **fDirc full simulation**

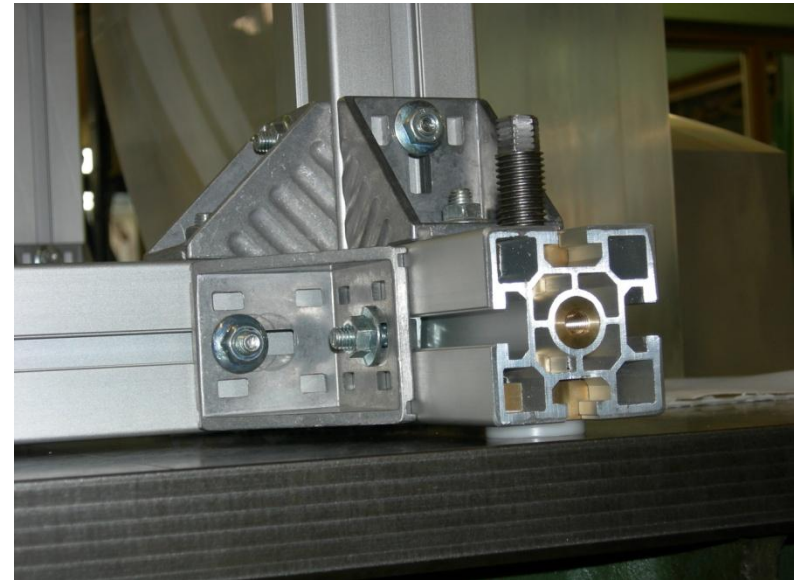
# CRT FBOX support

- The drawings have been frozen so far



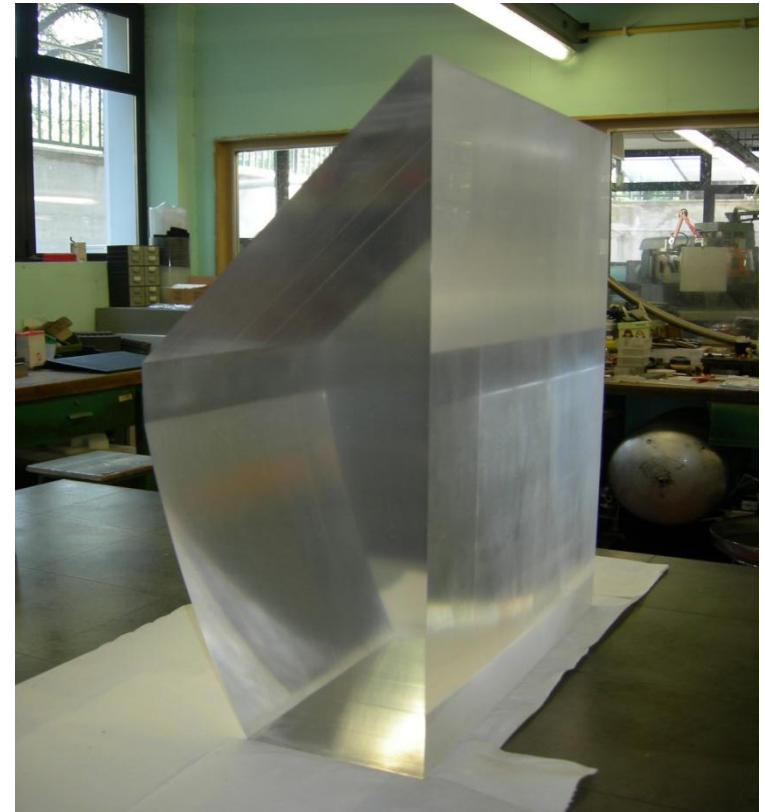
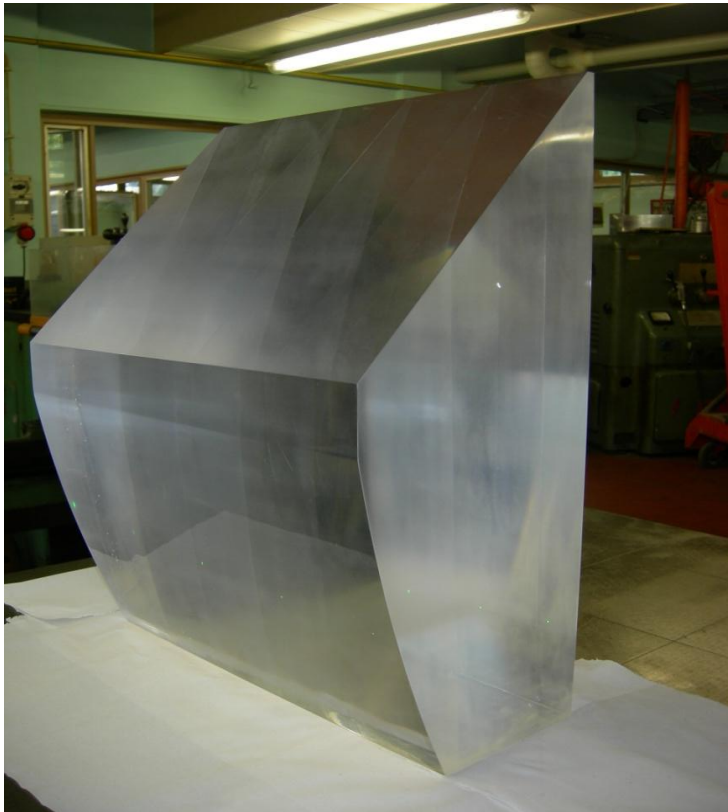
# CRT support production status

- The main support is built
- Some pieces to handle in 3D the support will be completed in the next weeks
- The current plan is to ship the support to Padova late week June 20 – early week June 27



# FBLOCK Dummy production status

- The FBLOCK is completed
  - 5 layers have been glued with BICRON BC-600 glue
  - The final polishing is on going
- The new wedge dummy is in production
- They will be shipped to Padova together with the CRT support



# Lab activities

- **The MaPMT scanning setup is almost ready**
  - **The main goal is to support the PMT procurement and acceptance test of the PMTs**
  - **The layout is the one shown in the past meetings**
  - **Some equipments are still missing**
    - We are using some borrowed instrumentations
  - **The DAQ system is ready**
    - LabView and CVI
    - The tools could be shared among the groups
      - **Common scripts are welcome**
  - **We are performing preliminary measurements on the set-up**
    - ADC and TDC calibration (and linearity)
    - Cross talk from the cables to the read-out boards
  - **The dedicated electronic front-end is in production**
    - We are ready to use different electronics

# G4 full simulation

- A first glance to Bruno and fDirc codes has been given
  - We are in touch with Doug and Andrea