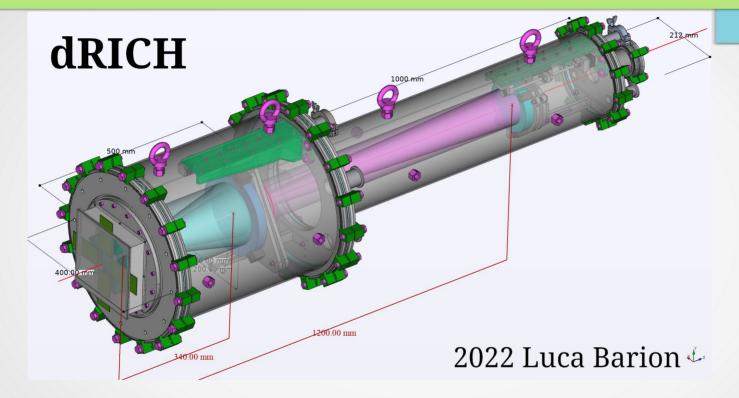
dRICH Meeting 2023-07-19

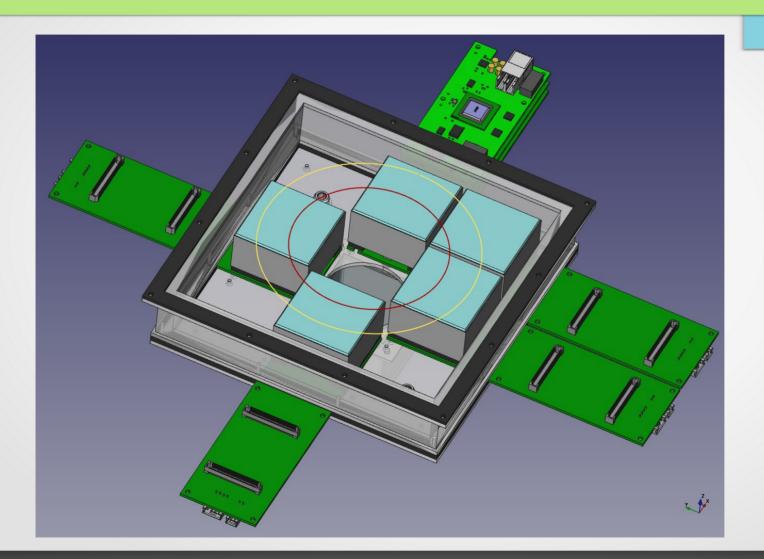
Luca Barion

Summary

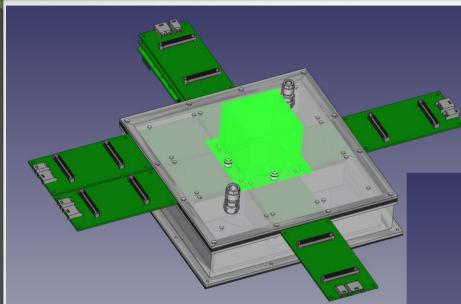


- Modification to 2021 "PMT box" (for Aug 2023)
- Readout box for "dRICH prototype box" (for October 2023)

Modification to 2021 PMT box for Aug 2023

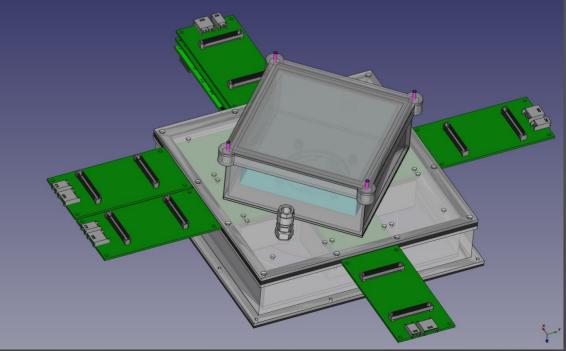


New ASA box for holding bigger aerogel tiles

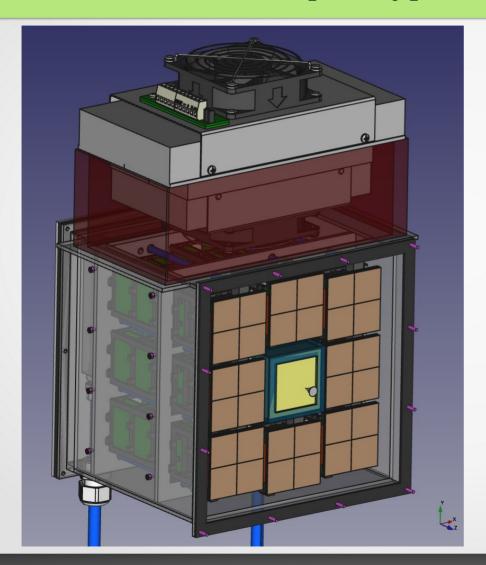


<== Original design tested in 2021 (for Aerogel up to 50x50x50 mm³)

New 2023 design ==> (for Aerogel up to 100x100x40 mm³)



Readout box for dRICH prototype for October 2023

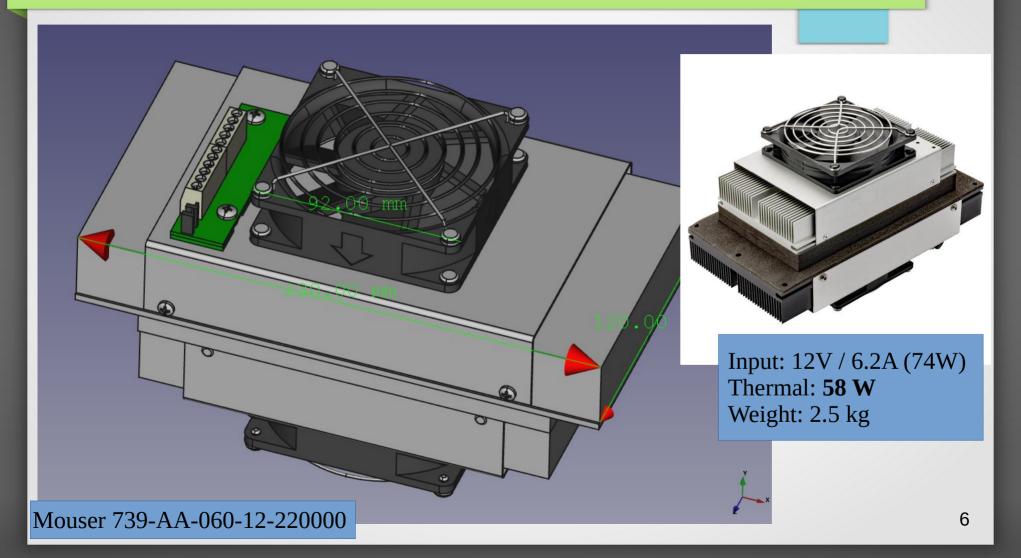


Fully instrumented:

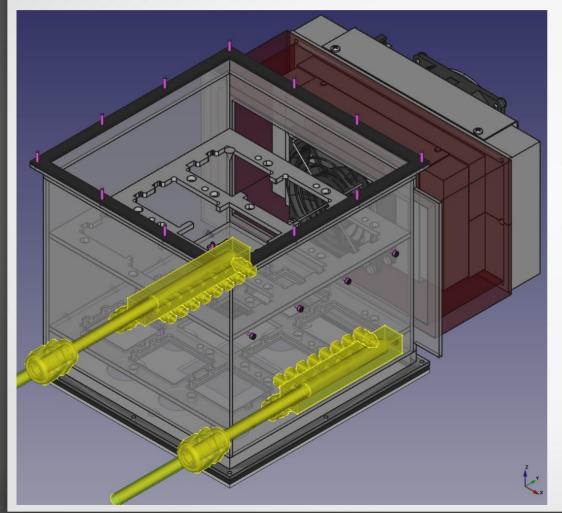
- -8 units ($52x52 \text{ mm}^2 \text{ each}$)
- -central space for Aerogel

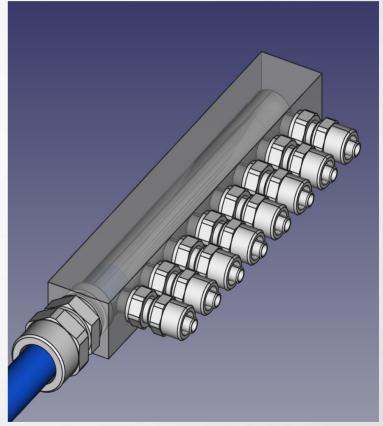
Starting with 6 units

Air cooling: Laird *AA-060-12-22-00-00*



Water manifold (custom): 1 supply + 1 return





Readout units developed/built by Bologna

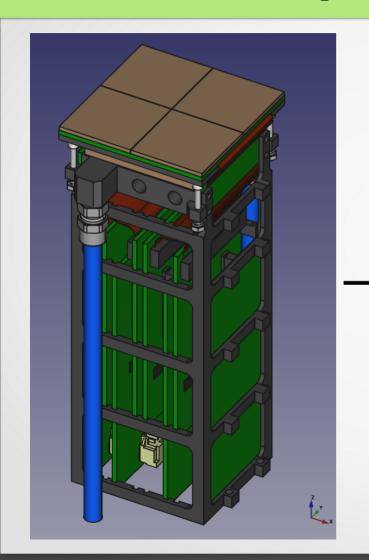
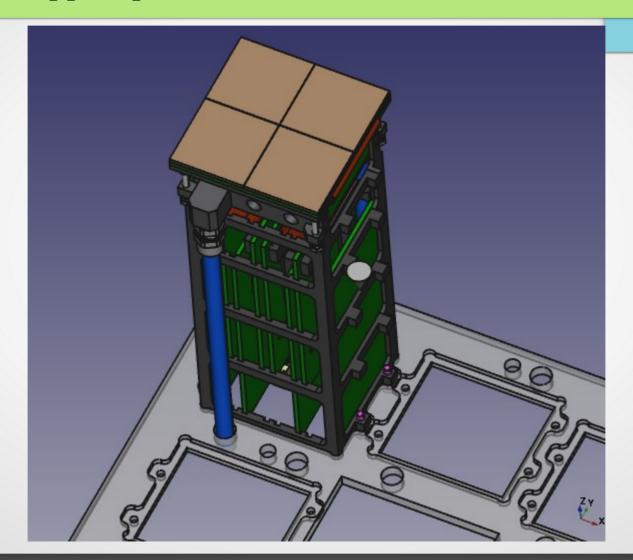




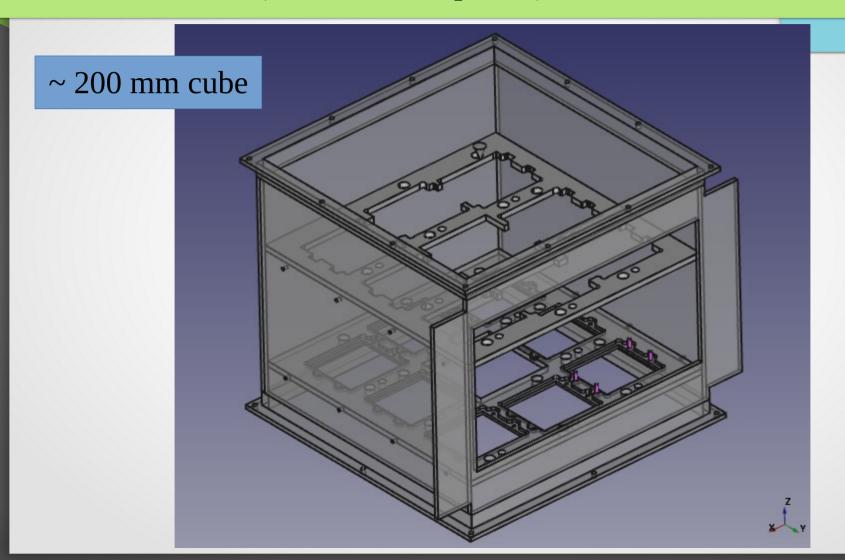


Photo courtesy of Roberto Preghenella

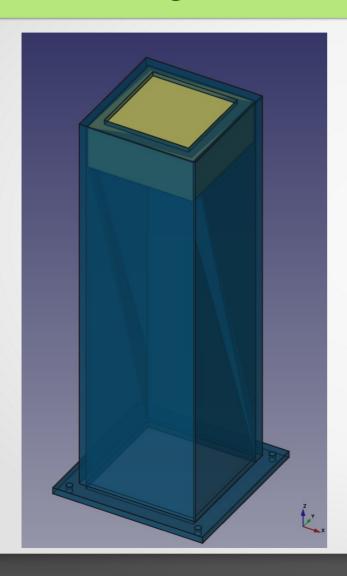
Aluminum support plate



Aluminum box (from welded plates)



Plastic Aerogel holder



- 3D printed in black ASA (FDM)
- Fast exchange (removable form back)
- Holds up to 50x50 mm² tiles

