

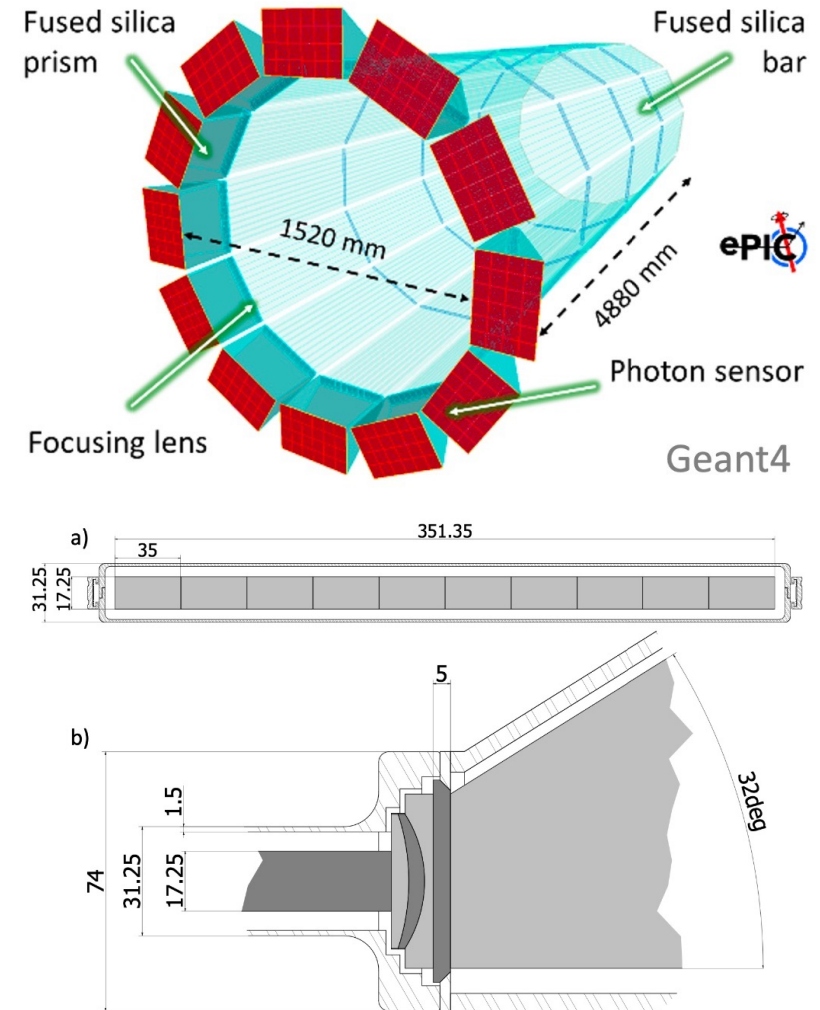
HPDIRC PRE-TDR SECTION

Received feedback:

- No major issues with text or figures
- Several very valuable questions from Chandra suggesting that we need to clarify few aspects primarily related to sensors

Moving forward:

- With intro part and plots now present we will adjust references to joined figures (coverage, magnetic field, and radiation levels)
- We are in the process of another round of review within DIRC group
- Figures/plots will be updated for the final version
- Supplemental material will be added



HPDIRC RECENT ACTIVITIES

hpDIRC prototype in Cosmic Ray Telescope (CRT):

- Current work is focussed on DAQs integration

Ongoing hpDIRC studies in simulation:

- Key studies still in stand-alone software
- Soon will have expert hpDIRC DSC member taking over simulation in ePIC stack
- Working on mechanical design details

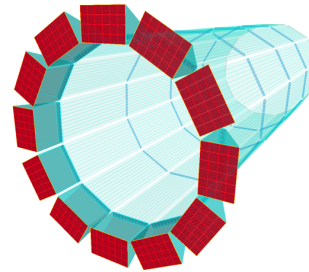
Mechanical Design and Integration:

- Progressing with details of bar boxes and readout boxes

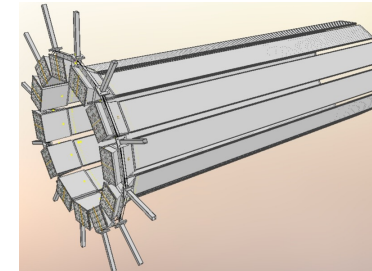
Validation of the BaBar DIRC bar reuse:

- Disassembly and QA at JLab are in advanced stage
- Decision on reuse of bars still expected by Q1-Q2/2025

hpDIRC in Geant4



hpDIRC in CAD



hpDIRC prototype at SBU



Disassembly setup at JLab



QA lab at JLab



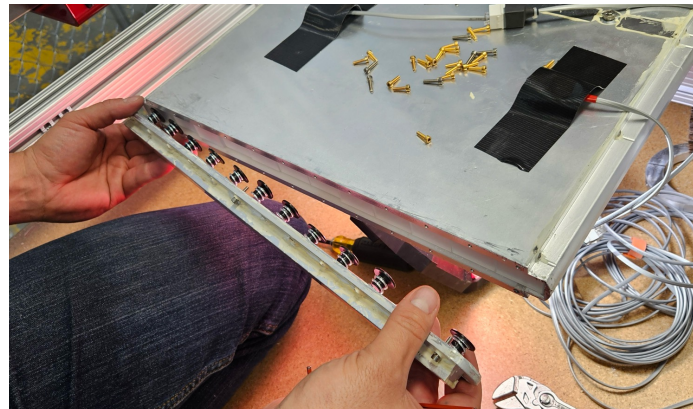
BABAR BAR BOX DISASSEMBLY

- Bar box is open!
- Visual inspection confirms **no damages during transport**
- Aluminum covers removed except of bottom (next to be removed)
- **Glue joints between bars** will be decoupled using heat guns
- Optical quality of bars after disassembly will be evaluated in **QA DIRC lab**, located next to disassembly tent



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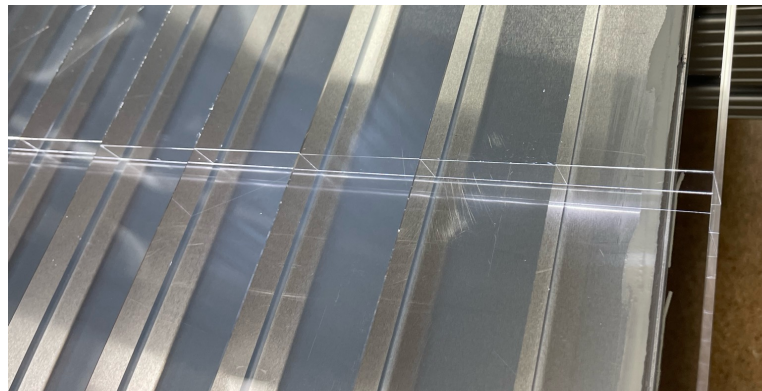
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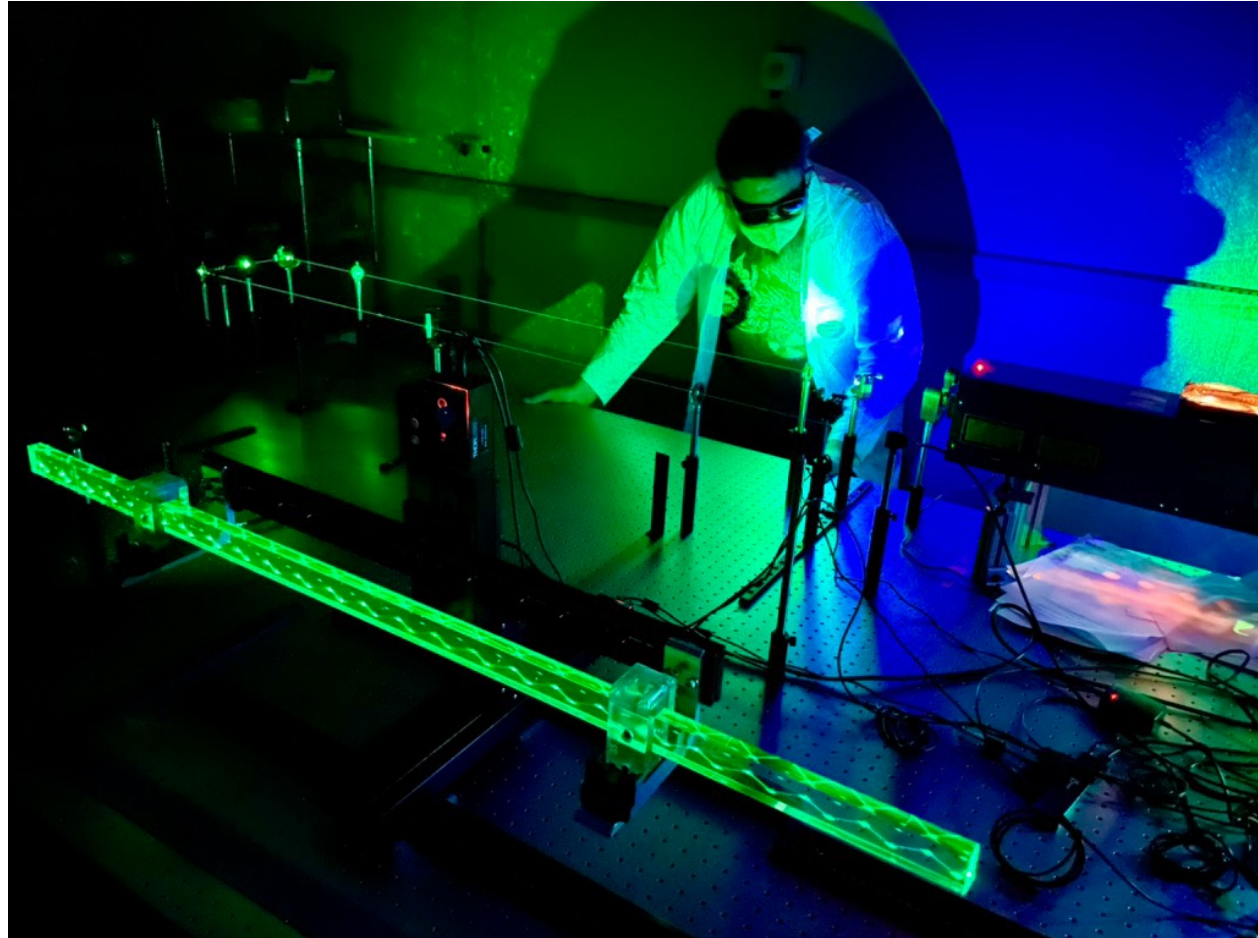
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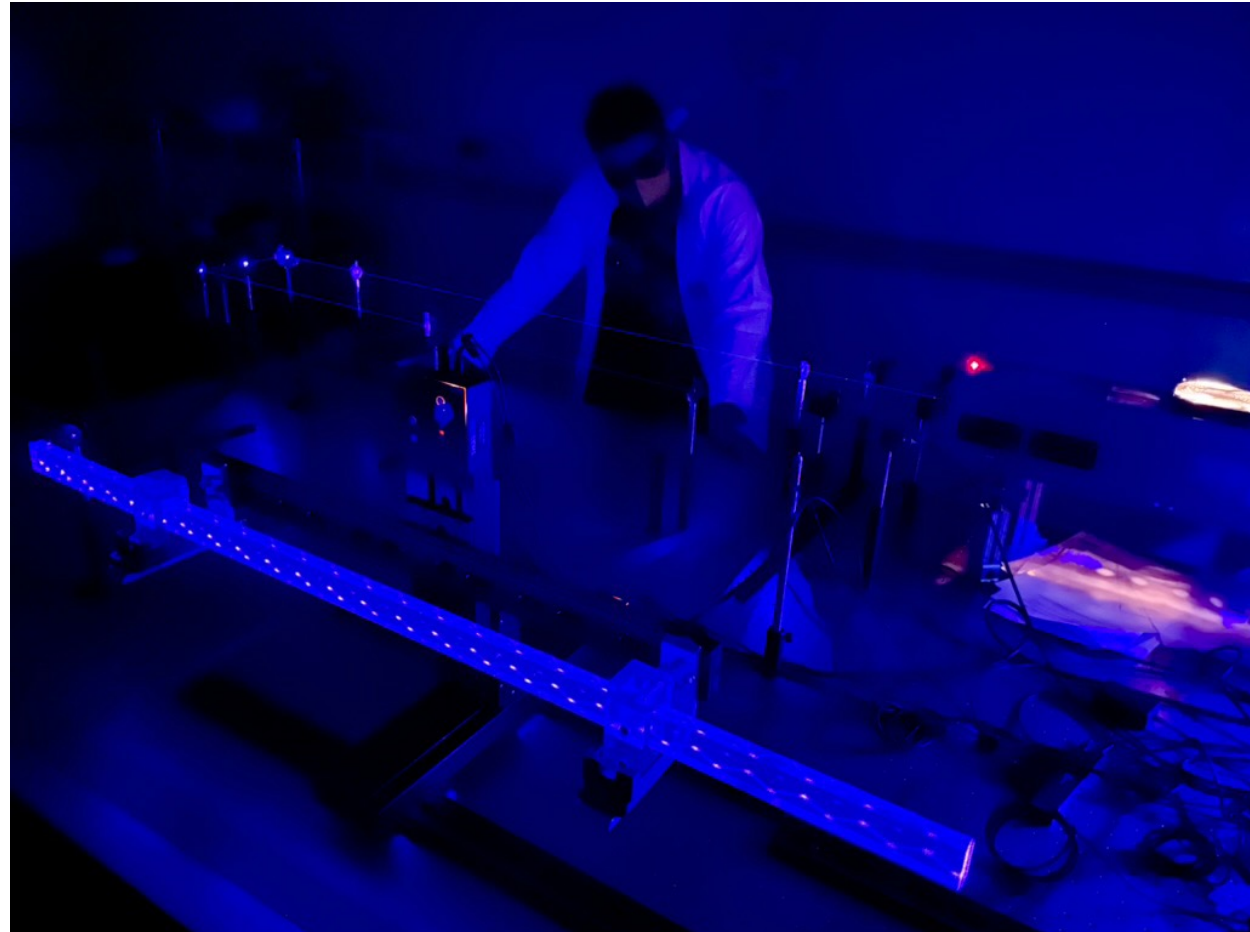
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