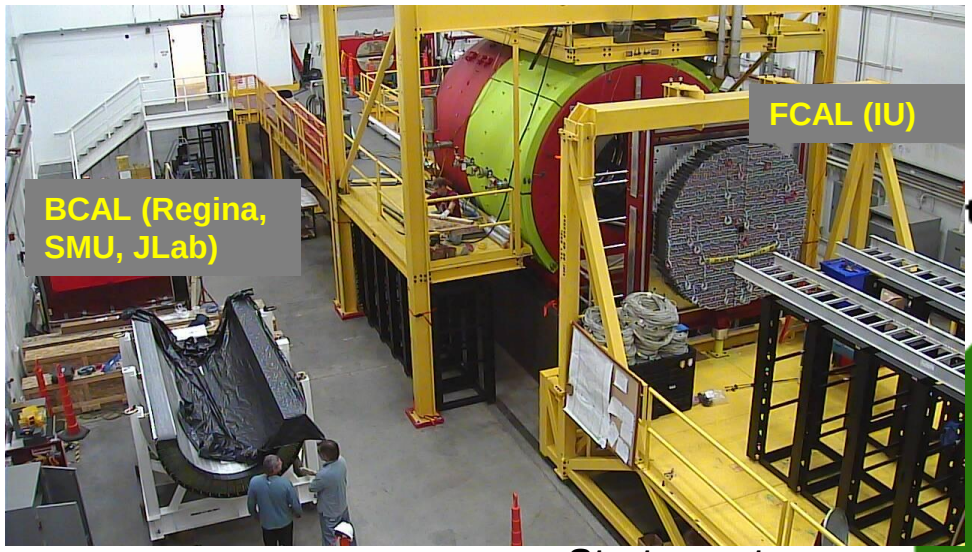
GlueX/Hall D Equipment




tagger magnet installed

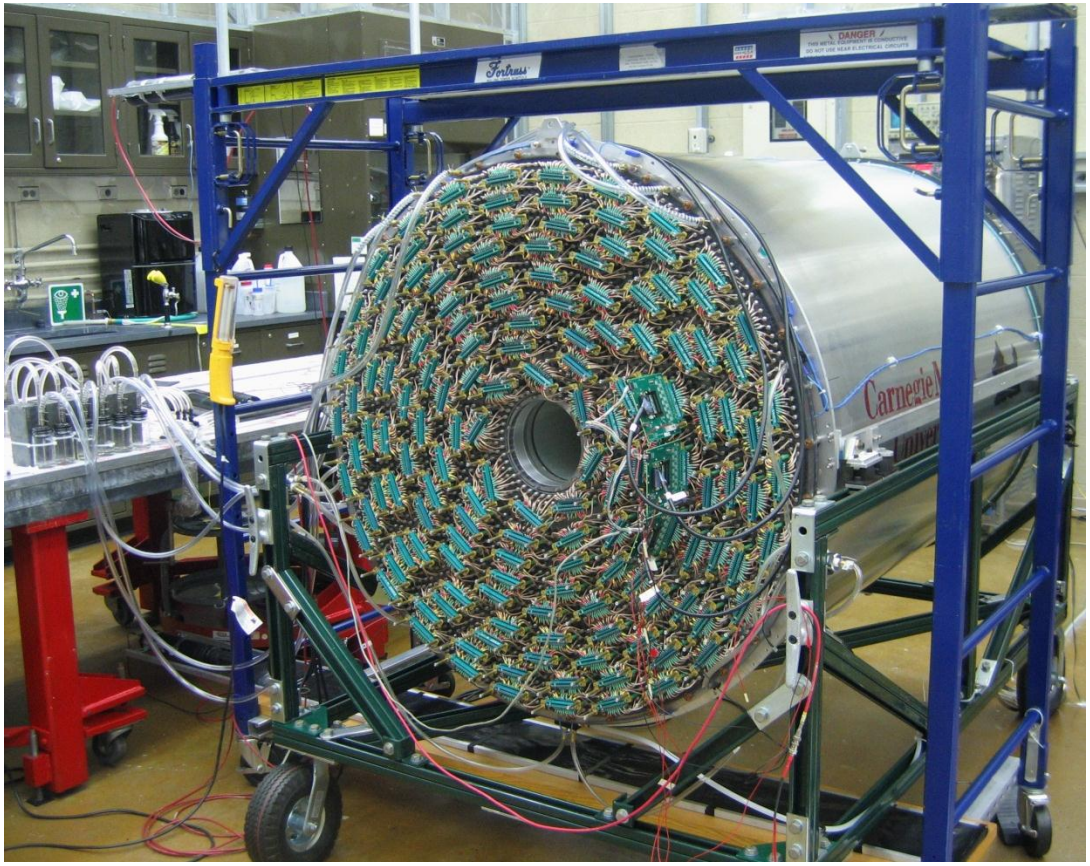

Electronics, cables

FDC (JLab)

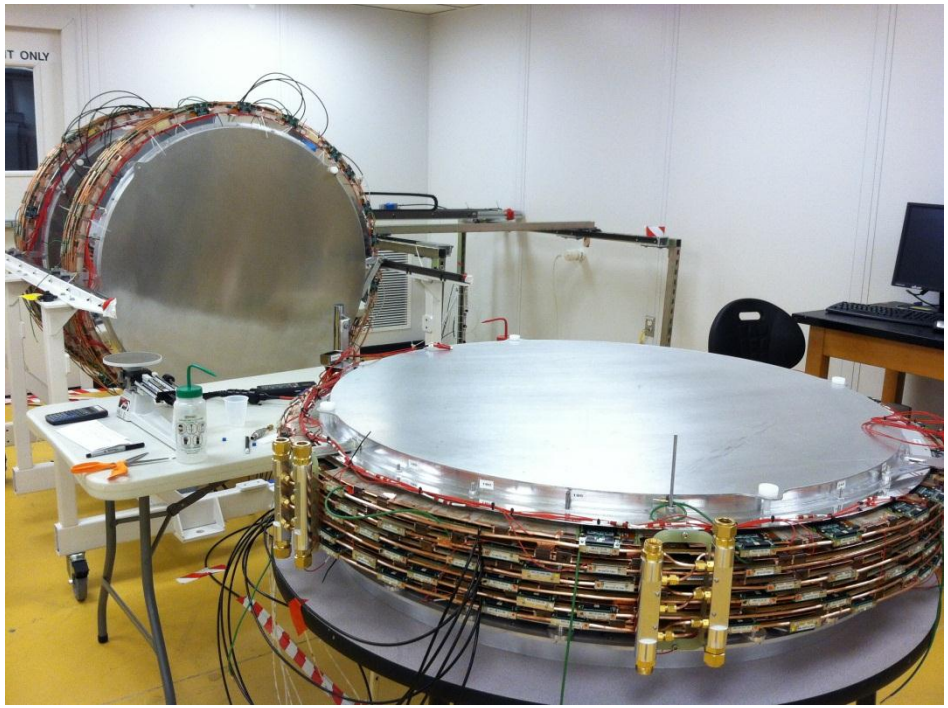

CDC (CMU)

Central Drift Chamber (CDC) built at CMU

CDC 3500 straw tubes built at Carnegie-Mellon
Photo: tests at the CMU
Readout: 3500 FADC-125MHz

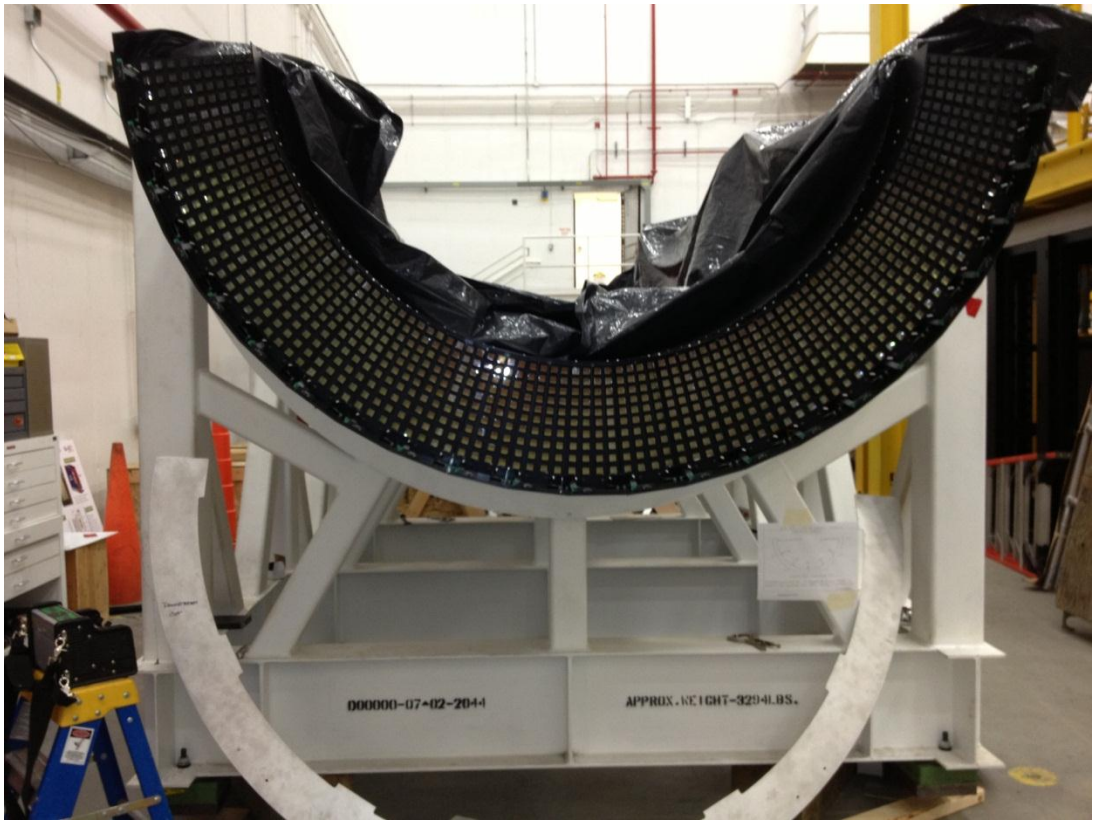


FDC (Jlab) all 4 packages built



Forward Drift Chambers (FDC)
4 packages assembled in the clean room at Blue Crab
Readout: 2300 wires to TDCs
10000 cathode strips to FADC-125MHz

BCAL ½ assembled for installation

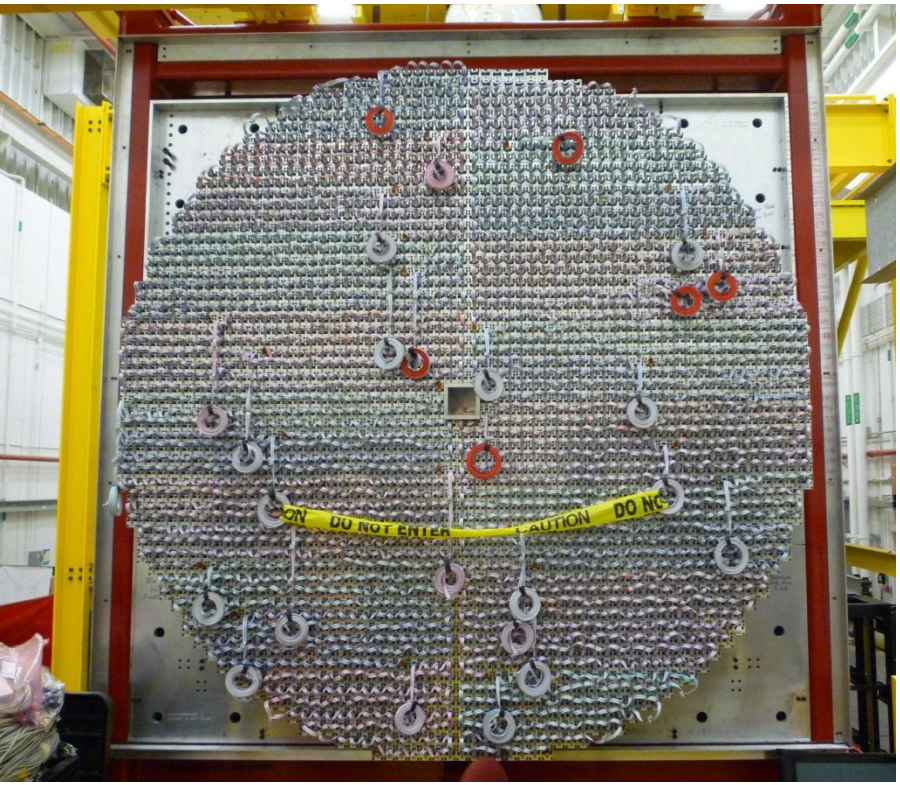


½ of the 48 BCAL modules with the light guides attached, assembled on a cradle for installation into the magnet.

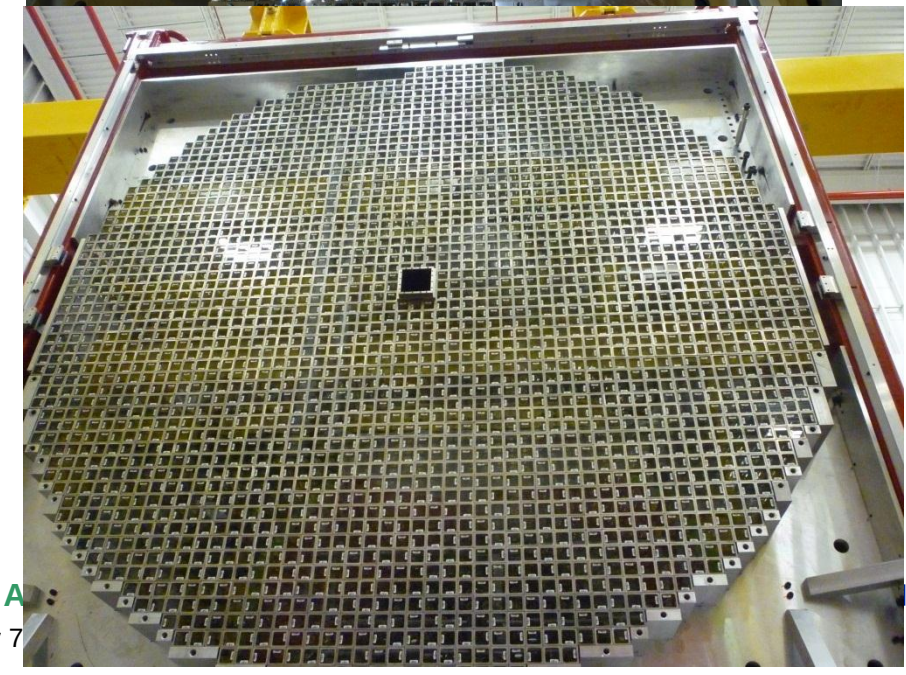
BCAL is a lead-SC fiber matrix, similar to SPACAL and to the KLOE calorimeter

Readout: 4000 Silicon PM 12x12mm²
Channels: 1536 FADC-250MHz and 1152 TDC

FCAL assembled in Hall D (IU)

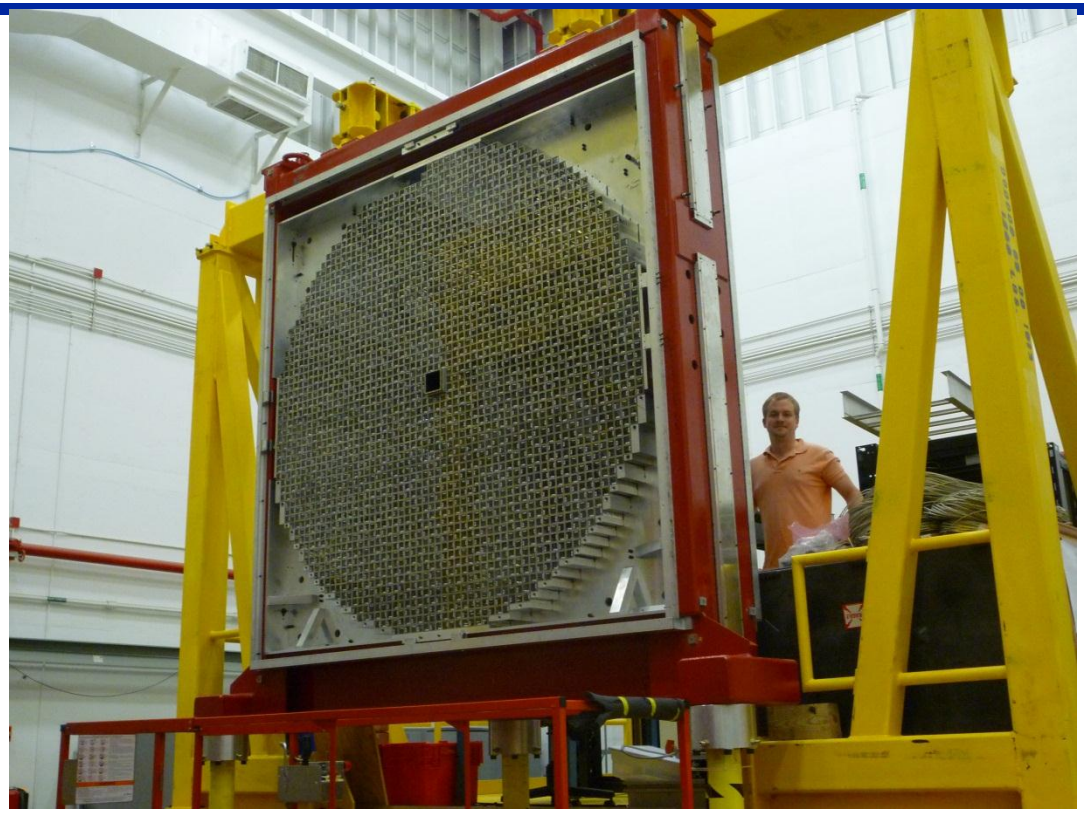


FCAL rear side – C-W bases
(Indiana University)



FCAL front side – 2800 lead glass blocks
Readout: PMTs
2800 FADC-250MHz channels

FCAL assembled in Hall D



FCAL and John Leckey (a postdoc from IU)