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# eRD109 - H2GCROC3/ CALOROC readout

PRESENTED BY

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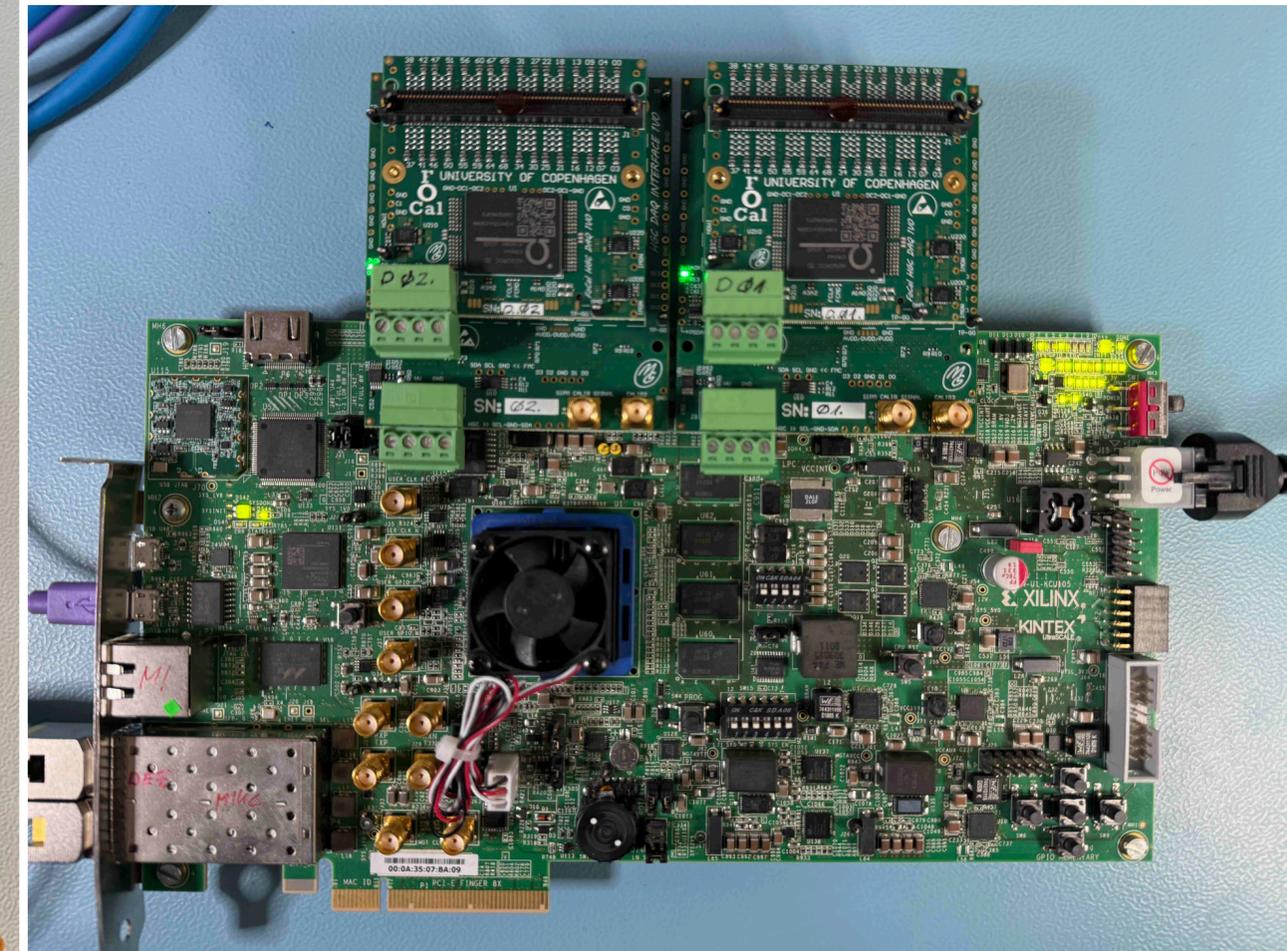


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# Production is ready - sending soon to ORNL



“Couple” of H2GROC boards with interface boards:

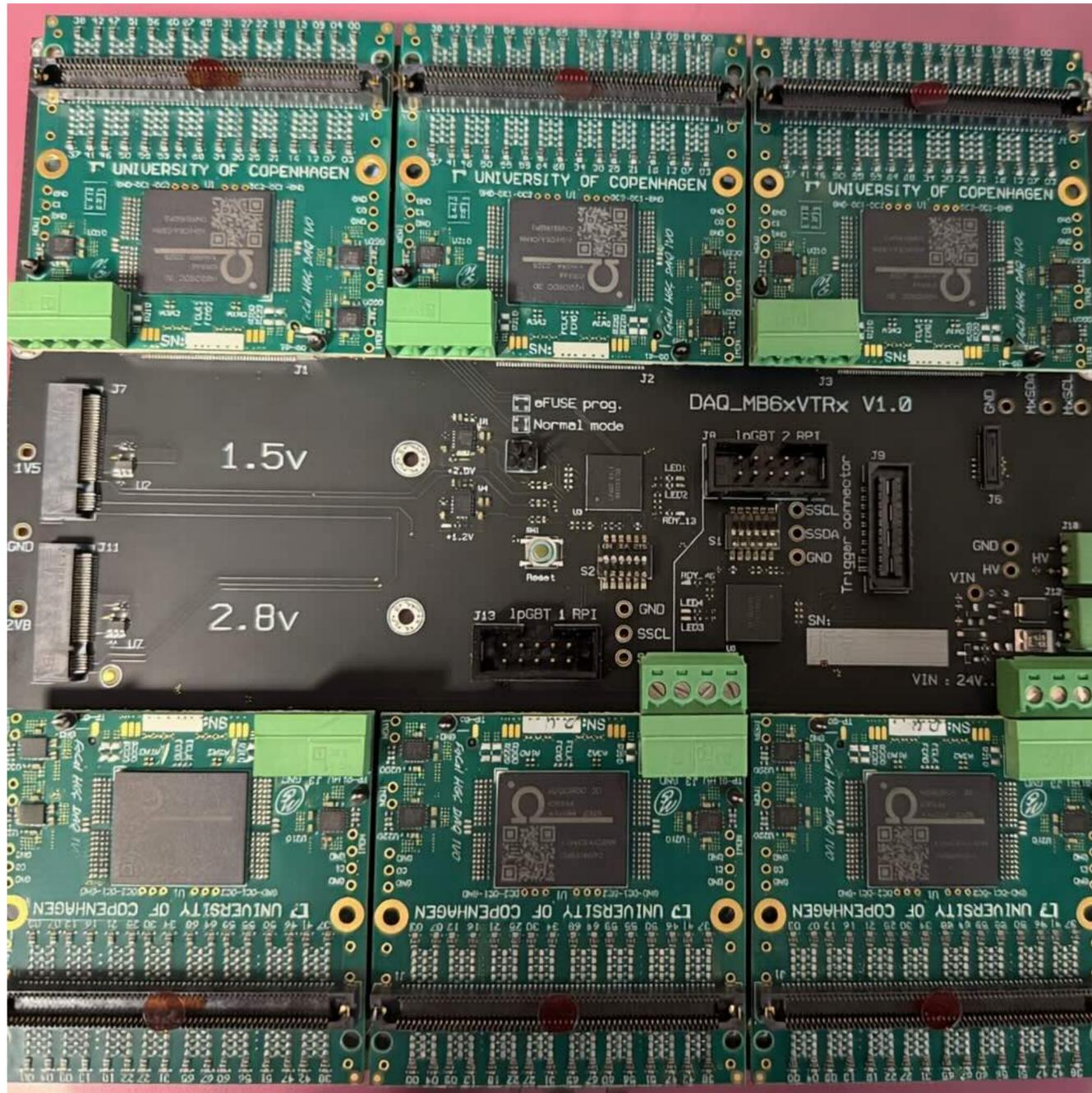
7 HGCROC3D, 4 H2GCROC3B

16 Interface boards - this will be useful with CALOROC later on

*Currently KCU105, but this will change to the gRDO - we could distribute to smaller groups, universities, etc*



# Baseboard 2.0



Same as the previous, only doubled:

- 6 H2GCROC mezzanines, VTRX+ for output
- Two LpGBT's in master-slave configuration

VTRX+ is not foreseen in calorimetry, except the Insert, where there is large space constraints.

Master-Slave LpGBT configuration can be tested also

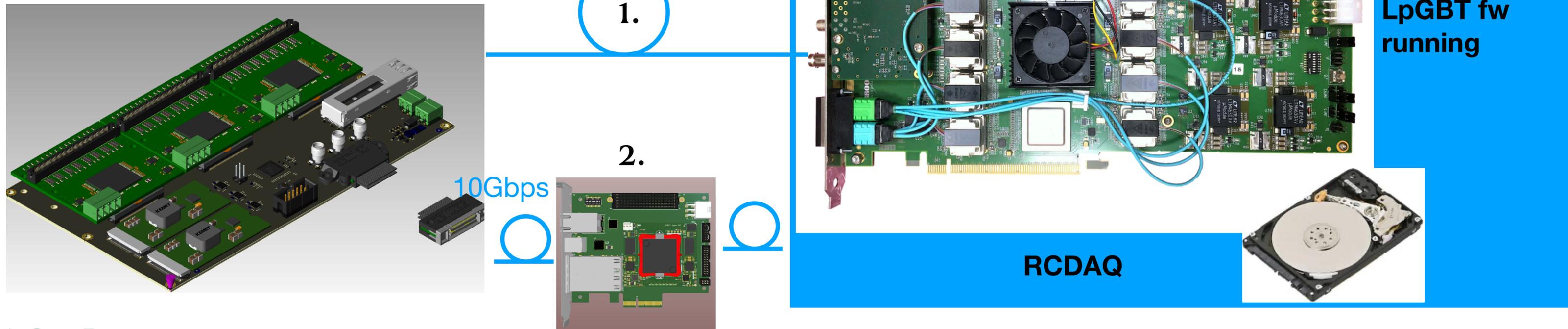
# Instead of summary - next step

Setup a full readout chain:

- FEB's → gRDO → DAM boards
  - Here we can use the existing FELIX-712
  - H2GCROC boards ready - easy to change to CALOROC once the chip is available
  - Large scale tests and firmware development is needed

Step 1 - direct connection

Step 2 - full chain test





# OAK RIDGE National Laboratory

Future ORNL lab?  
(AI generated)



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