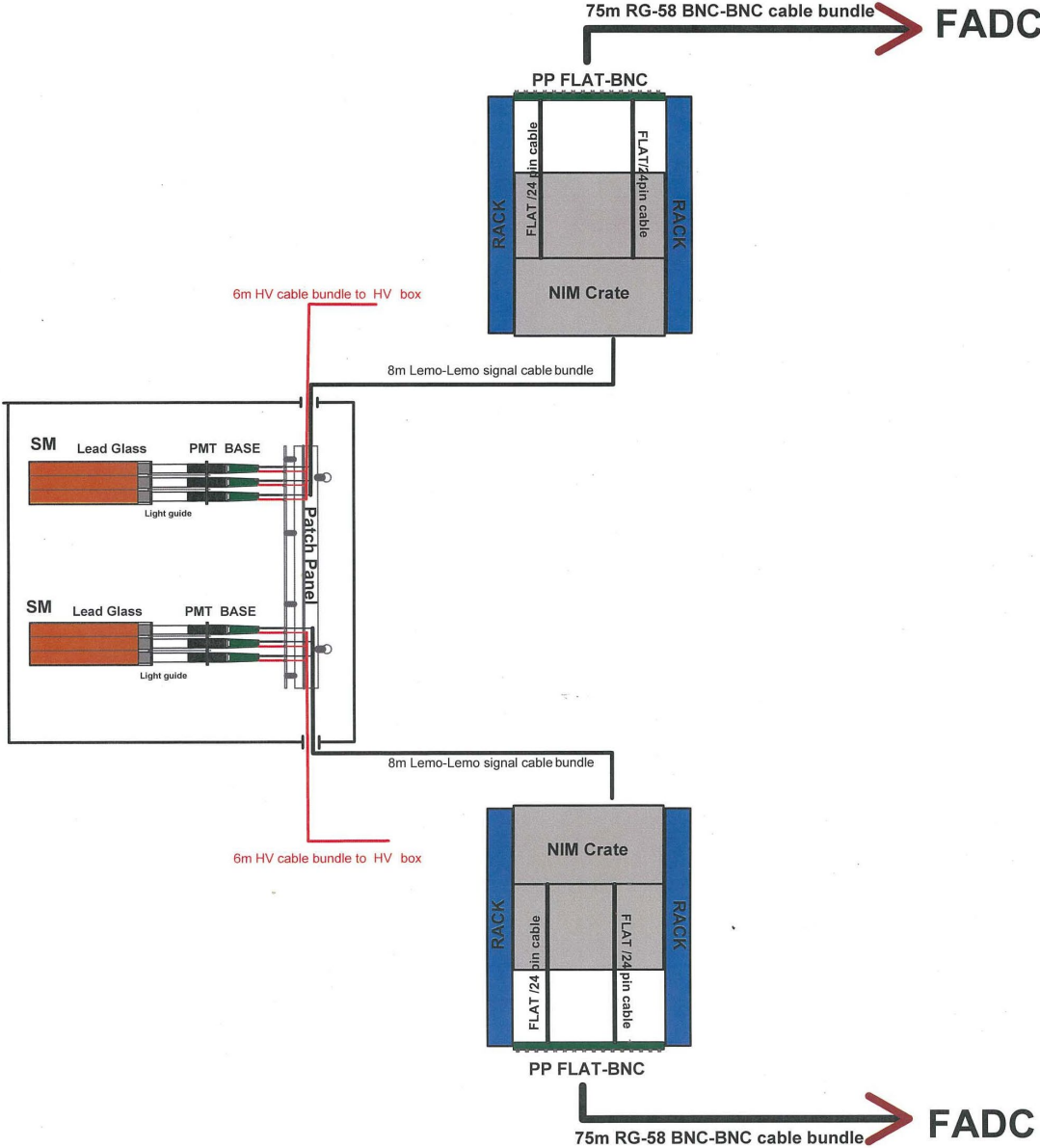


ECal mapping diagram, Front End electronics block scheme and status of the other components

- Albert Shahinyan
- Aram Kakoyan

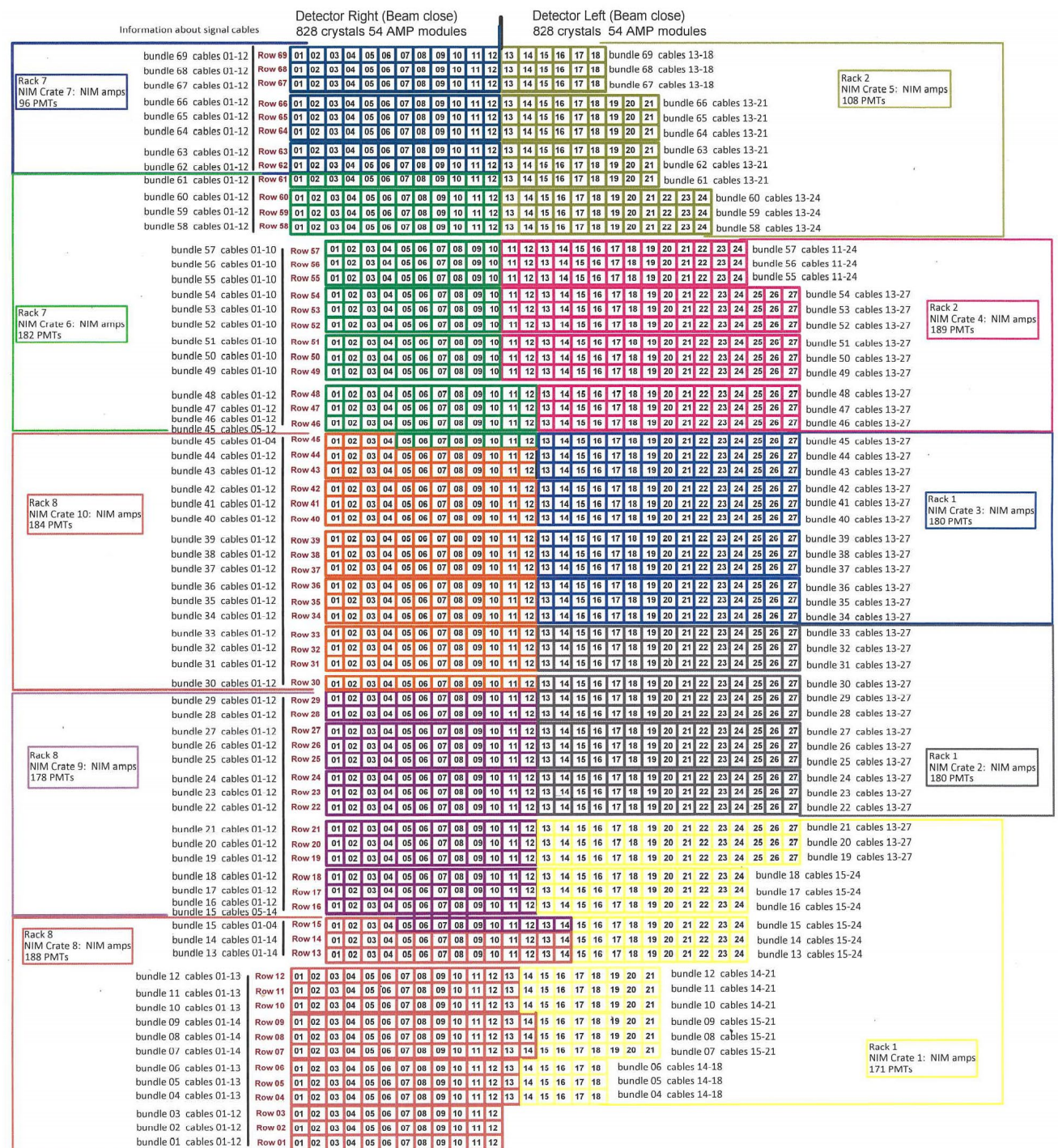
- SBS Weekly meeting
 - 09/27/2023
-

ECal PMT to AMP and HV connection diagram



Ecal BACK view

- 1656 channels
- 108 AMP modules



ECal signal cable connection map

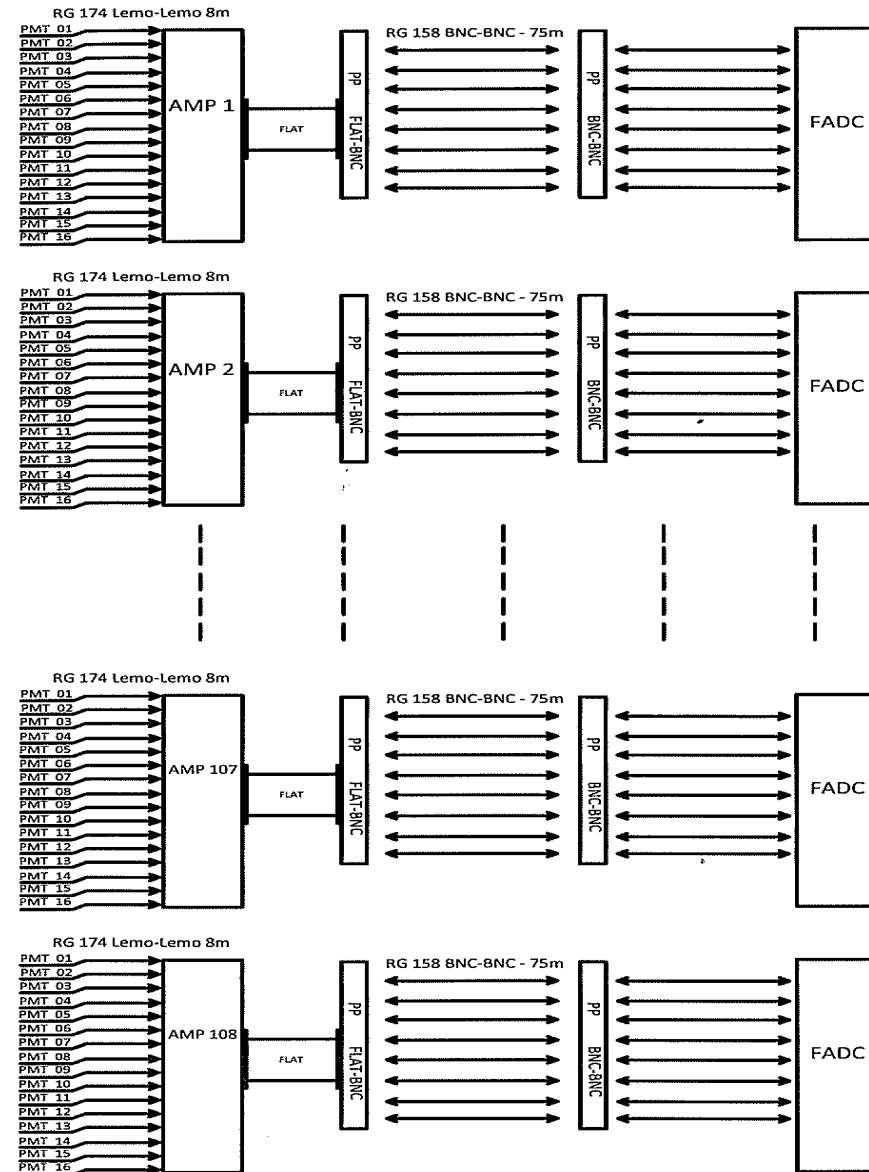


ECal connection diagram from PMT to FADC



Front End Electronics Side

DAQ Side



75m signal cable RG-58 BNC-BNC

- Location ESB
- Total 840 - each
- Labeled



6m HV cable from PP to HV Box

- Location EEL 90/122
- Total 1656 - each
- Labeled
- we have spares



8m signal cable RG-174 Completed from PP to AMP

- Location EEL 90/122
- Total 1656 - each
- Labeled



HV cable 75m 27-pin

Location EEL 90/126

- Total 24 - each

Location ESB

- Total 28 - each

Physics Storage

- Total 14 - each

Location HALL A

- Total 4 - each



EEL 90/126

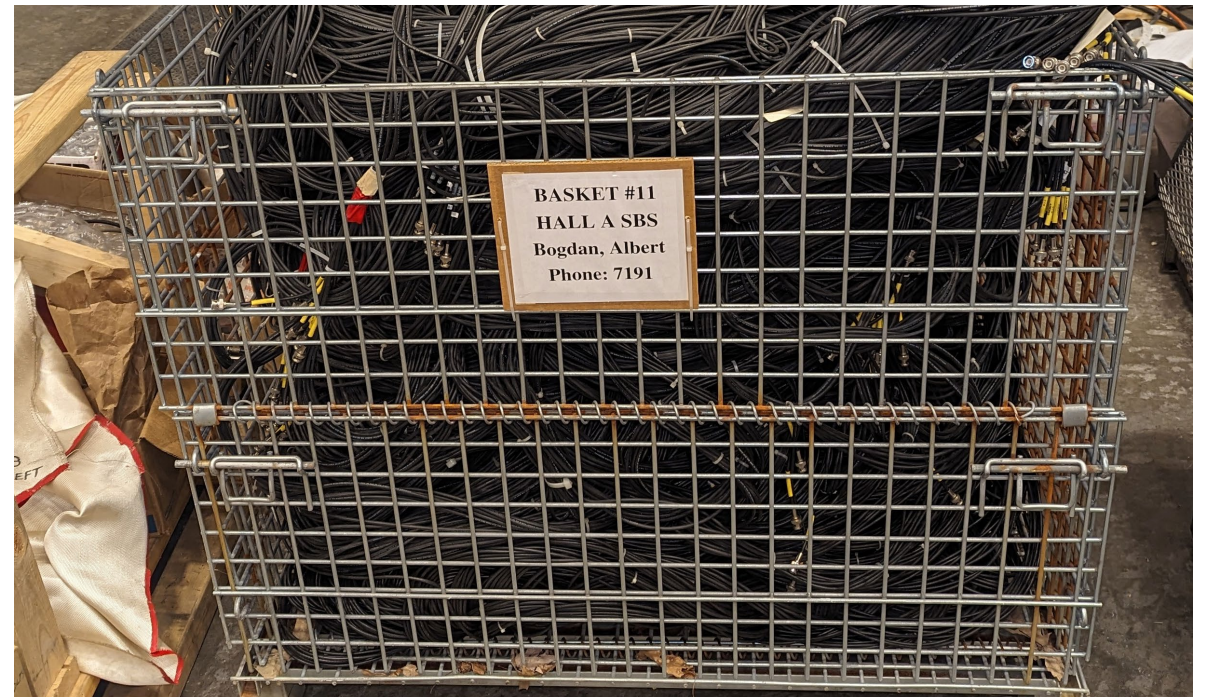


Physics Storage



ESB

TestLab cables



Cables RG-58 100m tested by Arun's students
Need to make bundles

Cookies

- Location EEL 90/122
- Total 2000 - each



PP in side ECal



PP location EEL90/126

Summary

- Signal Cable
 - RG 58 BNC - BNC 75 m 840 new, 100 m 240 Cdet
 - RG 174 Lemo - Lemo 8 m 1656 labeled
 - RG 58 BNC-BNC 100 m in Basket need to make bundle
- HV cable
 - Short SHV – SHV 5' installed
 - 6 m from inside PP to HV box 1656 labeled
 - Multi wire (24 channel) need 72 each + 1 spare

Thank you