# **LED Monitoring Update** Calorimetry meeting May 28 2020

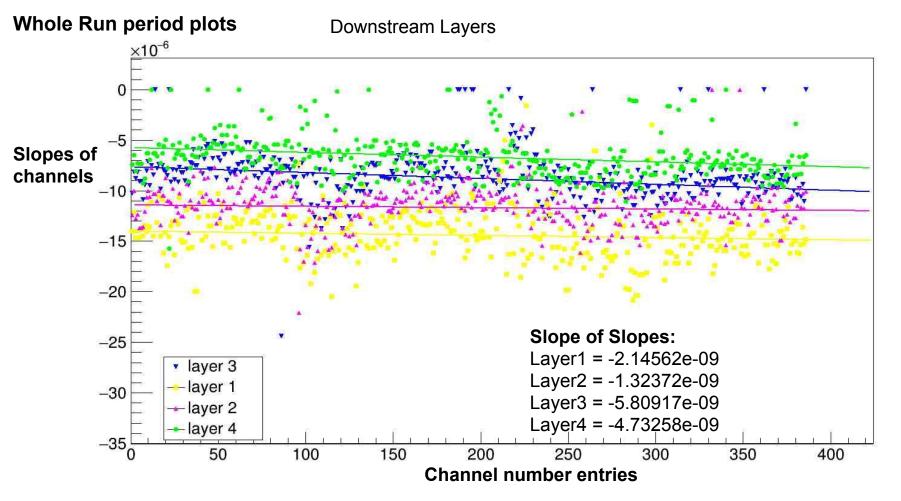
Varun Neelamana



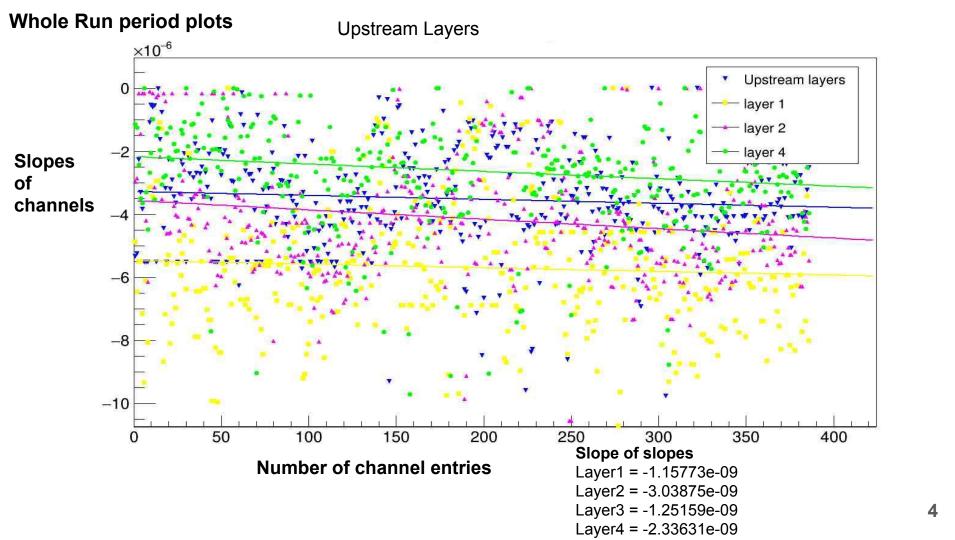


#### Things done so far...

- Found slight slopes for the channels over Run number in LED data (LED plots)
- The plots having slopes of channels were fitted (Slope of slopes)
- Checked the failed fits
- Checking batch wise (Batch 1,2 and 3 over)
- Checked Temp (&other epics variable dependence)



192 Channels having two entries each (US LED and DS LED) = 384 entries



0.95 300

71400

71500

71600

71700

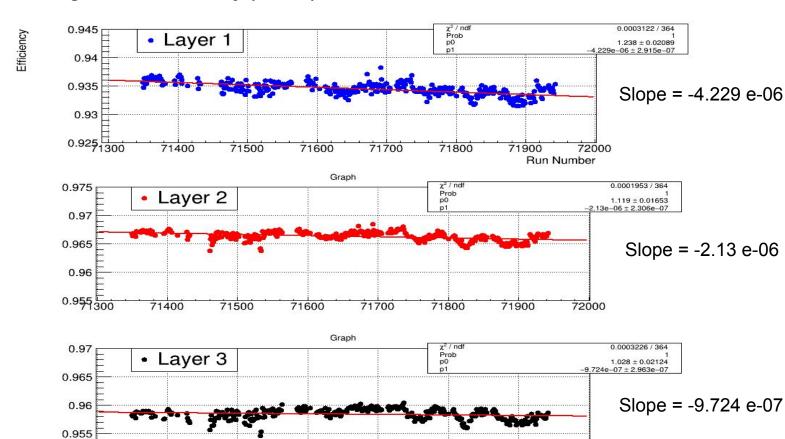
71800

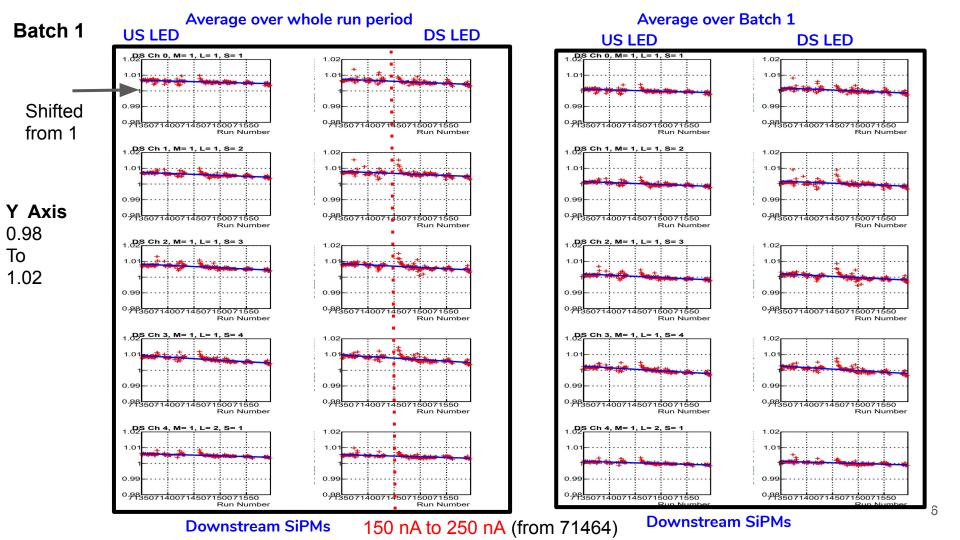
71900

72000

**UP** stream

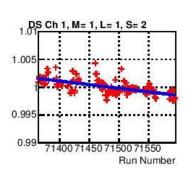
**Efficiency** 

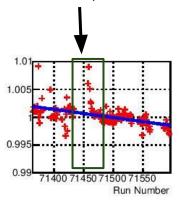


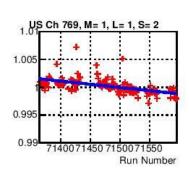


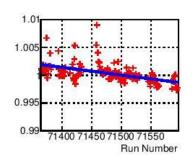
#### 150 nA(71350-71463) to 250 nA (71464-71591)



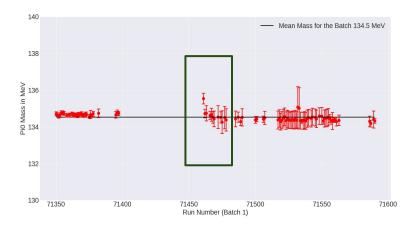


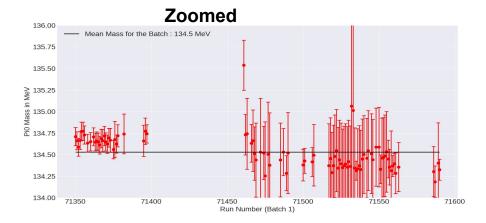


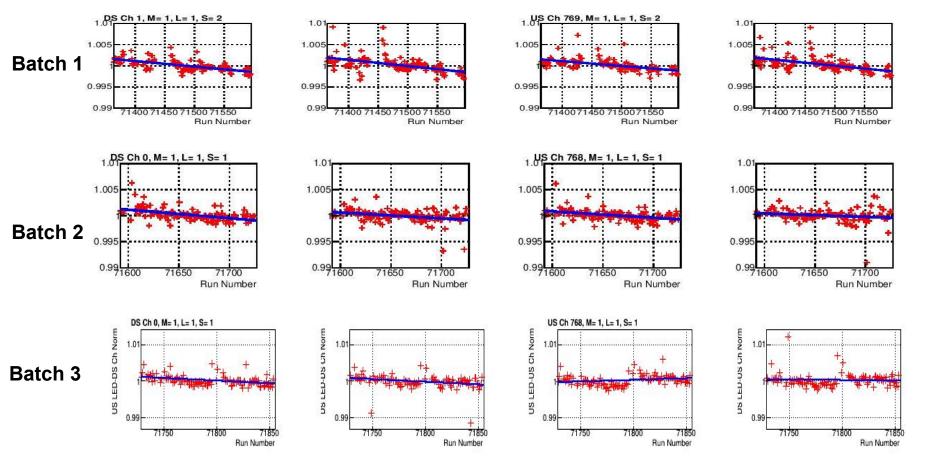




### Pi0 mass distribution over Run number For Batch 1 (from Karthik )

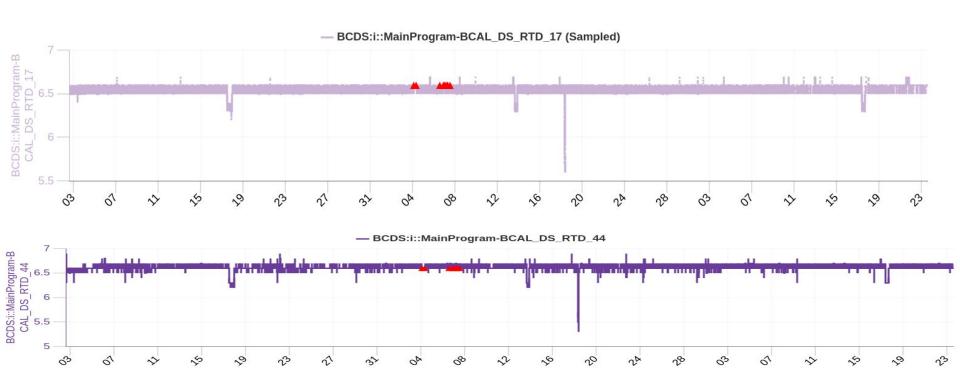






#### **EPICS** variables check

- Checked EPICS variables (Temp, Humidity) from Jan 04 till March 23 for 96 RTDs.
- Things look normal. Doesn't have any fluctuations.
- Below are some sample plots



## Next..

- Other batches
- Investigation is still going on