LED Monitoring Update Calorimetry meeting Apr 30 2020

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Things done so far..

- The plots having slopes were fitted (Slope of slopes)
- Checked the failed fits
- Checking batch wise (Batch 1 and 2 over)



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

Upstream Layers





Downstream SiPMs

150 nA to 250 nA (from 71464)

Downstream SiPMs

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

Zoomed plots



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









DS LED

1.005

0.995

0.99

1.005

0.995

0.99

1.005

0.995

0.99

1.005

0.995

0.99

1.005

0.995

0.99







Upstream SiPMs

Batch 2

Average over Batch 2

Average over whole run period





Run Number (Batch 2)

134.00

Next..

- Checking Temperature dependence(& other EPICS variables)
- Other batches



0.98

1.02

То

Backup Slides US LED DS LED





DS LED



Upstream SiPMs



Y Axis 0.98 To 1.02



DS LED



Run Number



US LED

1.0

US Ch 768, M= 1, L= 1, S= 1

DS LED



Upstream SiPMs

Batch 2























71700

Run Number

71650

US Ch 962, M= 13, L= 1, S= 3

1 005

0.995

71650

US Ch 963, M= 13, L= 1, S= 4

1.005

0.995

71650

71700

Run Number

71700

Run Number

0.99

0.99

0.991600

1.005

0.995

0.991600

















1.01

0.991600

1.01

1.005

0.995

0.991600

1.01

1.005

1.005

0.995

71650

......

71650

71700

Run Number

71700

Run Number

+





71650





1.0

1.005

1.01

1.005

1.01

1.005

1.01

1.005

0.995



Bun Number

US Ch 768, M= 1, L= 1, S= 1

US Ch 769, M= 1, L= 1, S= 2

71650 71700

US Ch 770, M= 1, L= 1, S= 3

71700

Run Number

Run Number

Bun Number

1 005

0 995

0.99

1.005

0.995

0.991600

1 0 0 5 *

0.995

1.005

0.991600

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