

# SM Assembly and QA/QC Update

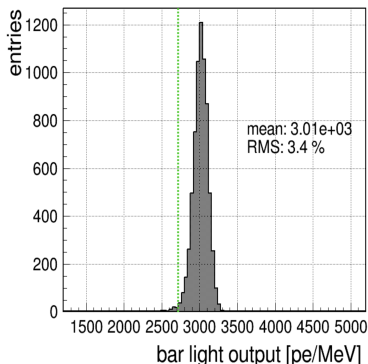
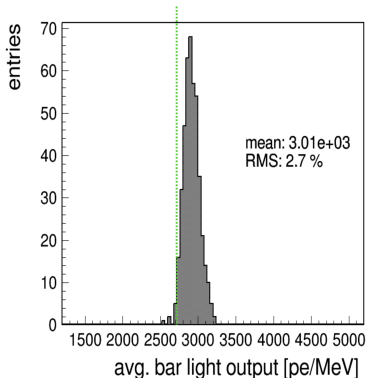
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on behalf of the UVA BAC team

University of Virginia

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# Assembly Status

- We have assembled 480 SMs and QA/QCed 432 with the Cesium source.
  - We have 402 class A, 9 class B and 21 class C SMs.
- Last week we had two 24 SM assembly days.

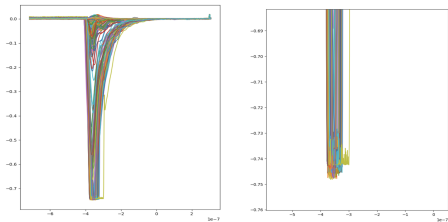


Note: The summary plots are before applying the offset correction.

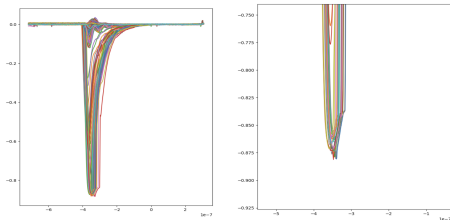
# Offset Correction with the Cesium Source

After we changed DC offset from 28500 to 22000, we don't see the saturation of the pulses anymore.

Without Offset Correction

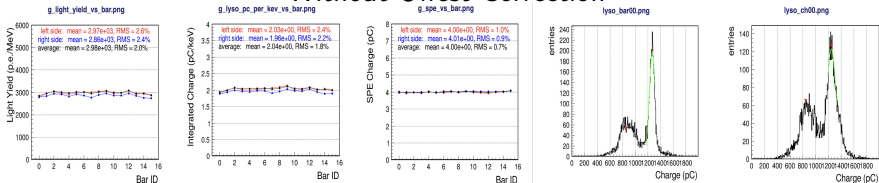


With Offset Correction

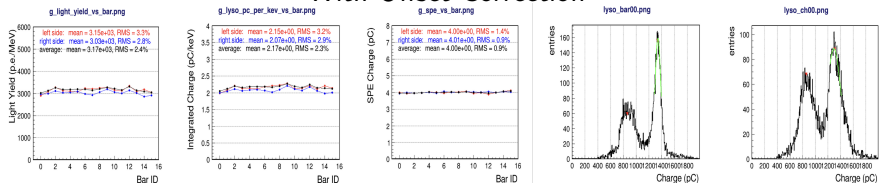


# Before And After Offset Correction

## Without Offset Correction

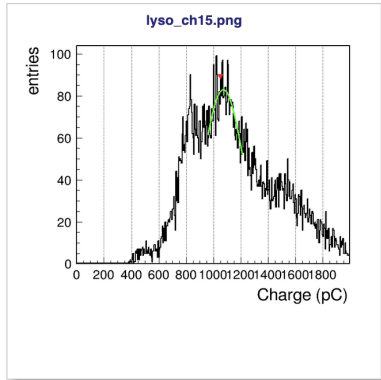
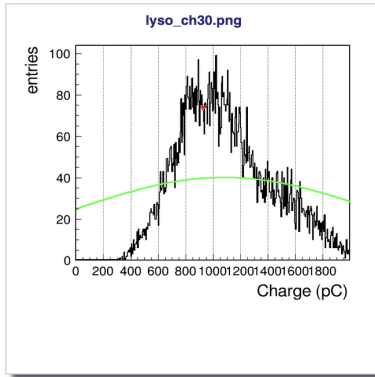


## With Offset Correction



# Taking Data with Sodium Source

- We have tried taking data with the Sodium source and we could not get the fit working for all the channels.
- Already made the changes Andrea suggested to do.
- We assume that our Sodium source is weak.



# THANK YOU