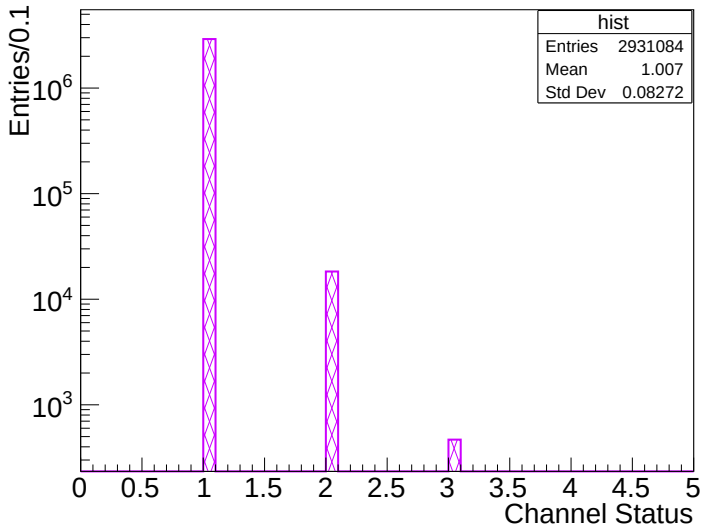
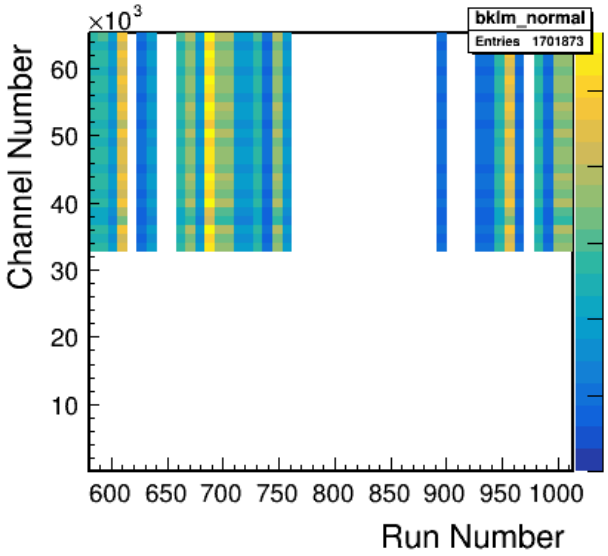
KLMChannelStatus

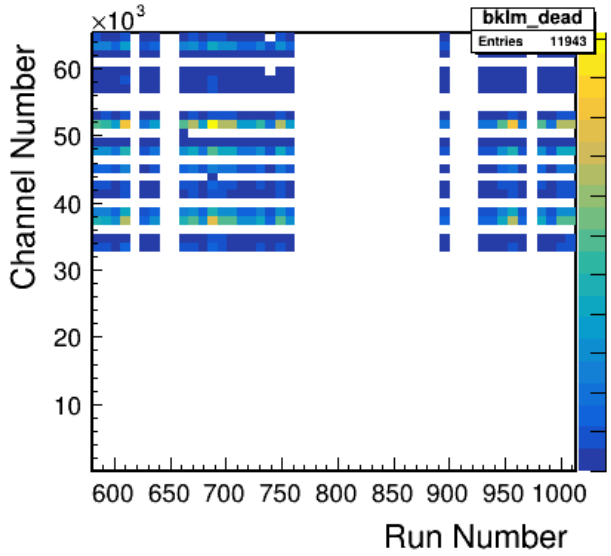
- BII-7720 ticket to write a validation script for KLM channel status calibration
- Calibration script is available and runs in airflow, we have to write validation script which will automatically run over calibrated result and produce plots.
- Could able to write the validation script and run over few data samples like bucket 17 and bucket 36

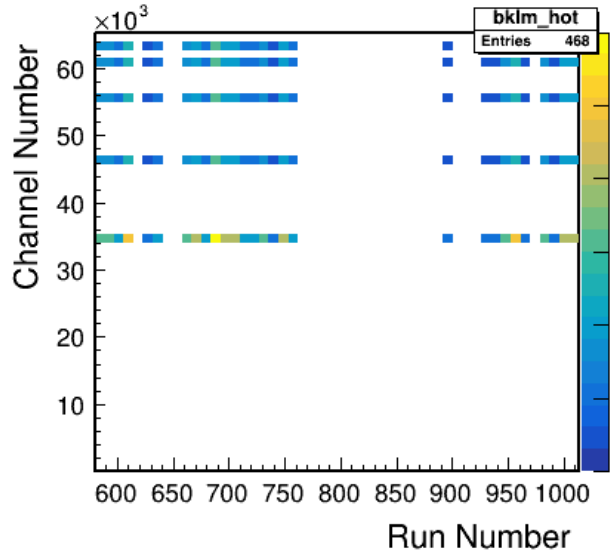


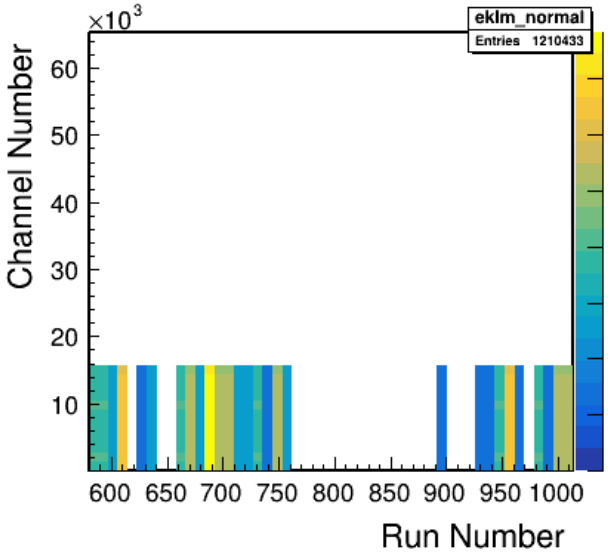
- 1 (Normal channel): If number of hits in a module is $>= 1$, *i.e.*, normally operating channel
- 2 (Dead channel): If number of hits in a module is < 1, *i.e.*, no signal
- 3 (Hot channel): large background channels
  - If number of hits $>$ Minimum number of hits in a single channel (1000)
  - If number of hits > 100 and ratio of number of hits in a channel and average over other channels in that module is > 50

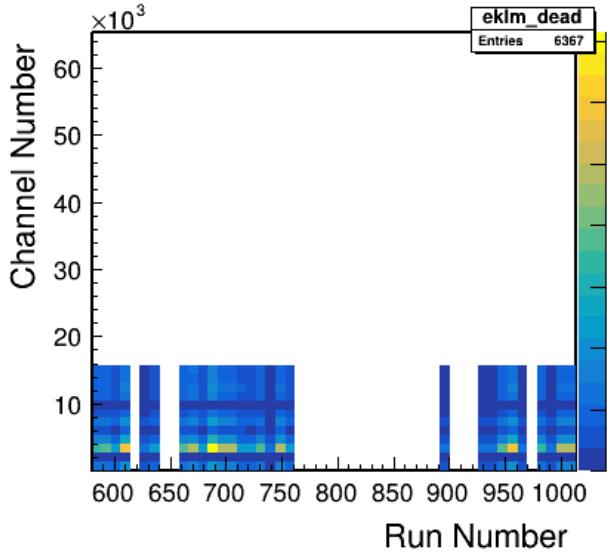
KLMChannelStatus validation result: bucket17

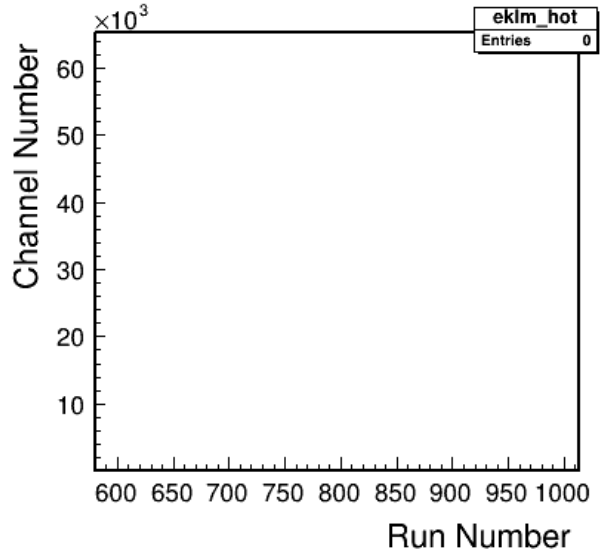




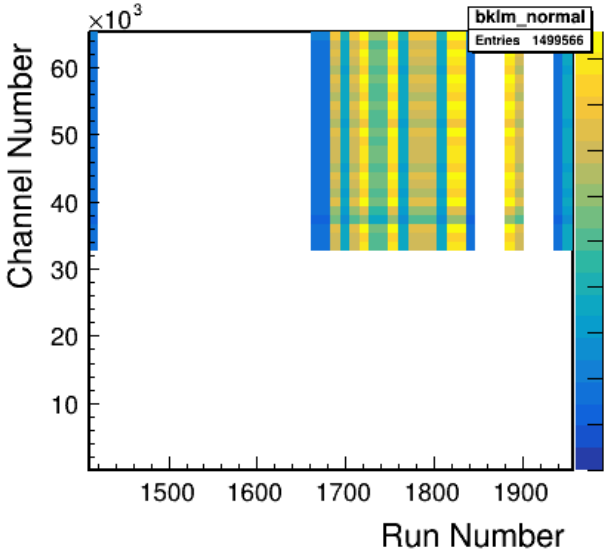


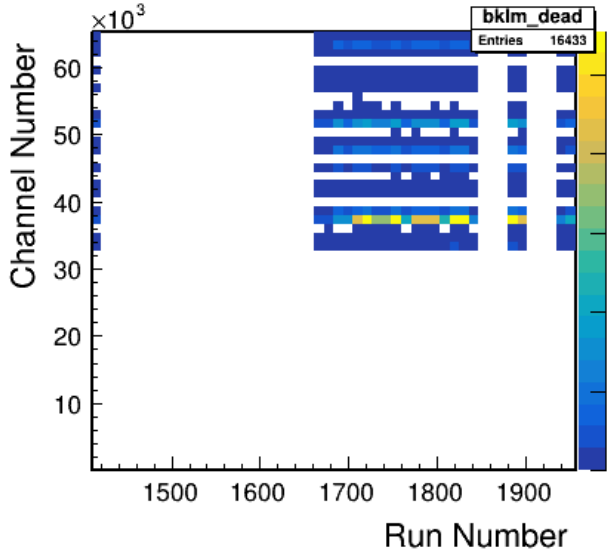


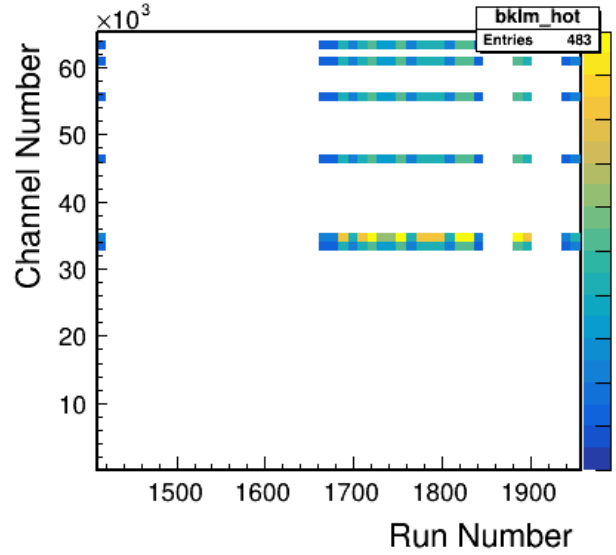


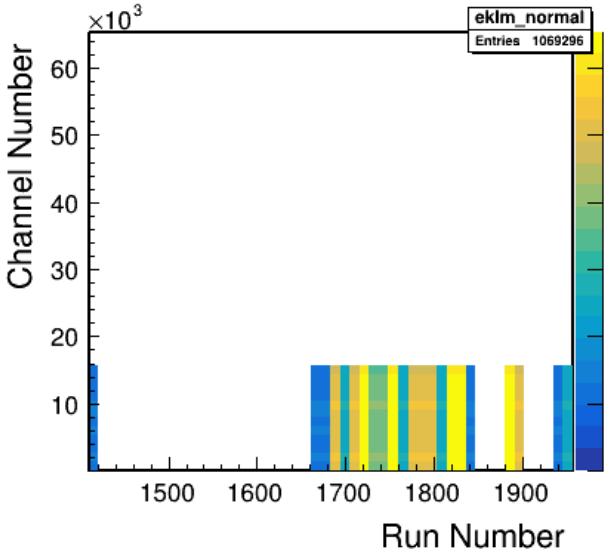


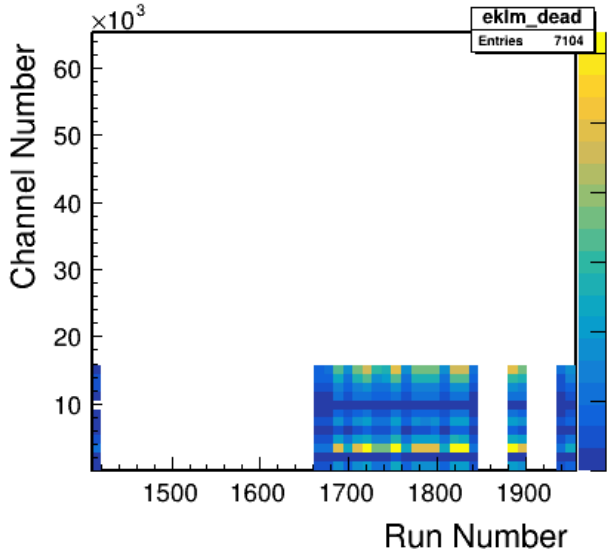
KLMChannelStatus validation result: bucket36

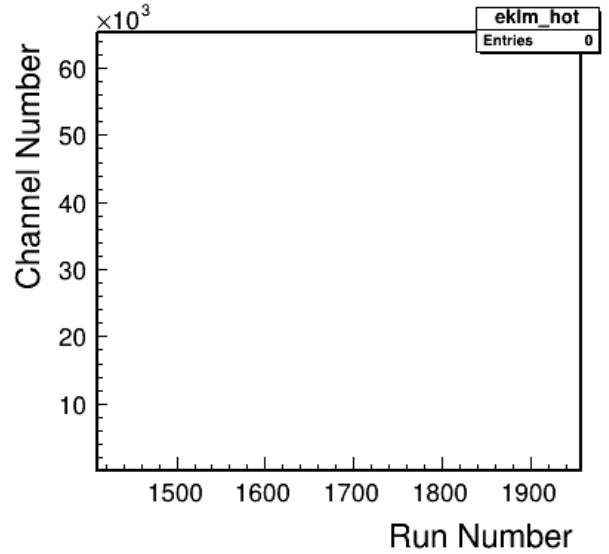












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