Belle II Trigger/DAQ Workshop 2022

TOP DQM Plots

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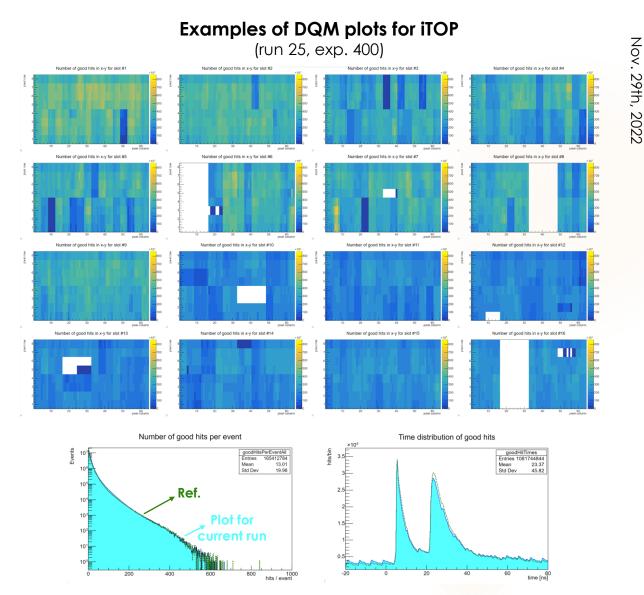
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Martin Bessner, Hülya Atmacan, Yinghui Guan, Kazuki Kojima, Akane Maeda, Ryogo Okubo, & Noritsugu Tsuzuki

iTOP Data Quality Monitoring (DQM) plots

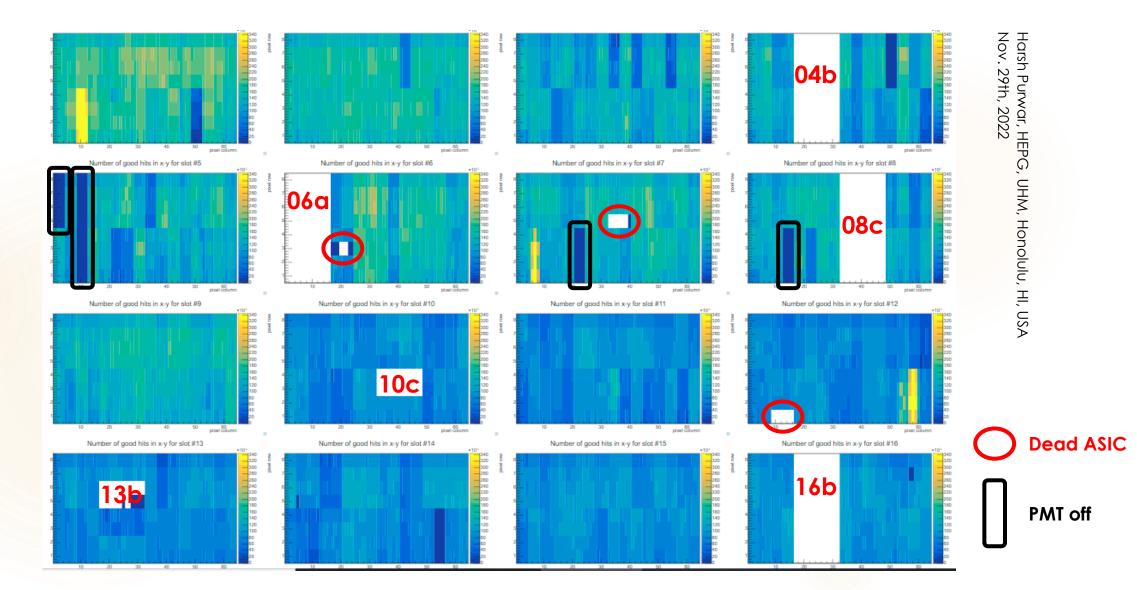
- Several DQM plots are available to iTOP shifters and CR shifters to monitor the quality of iTOP data being recorded almost in real time.
- These plots are extremely helpful in troubleshooting a detector hardware malfunction during a run or if the initialization for one or more iTOP frontends is incorrect for a physics or cosmic run.
- A well studied reference plot is shown on top of the plot for the current (or ongoing) run for quick comparison.



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iTOP Hit Map



iTOP Data Quality Monitoring (DQM) plots

- TOP group is working towards adding more automated color changes in plots for alerting shifters.
- All known issues are already handled by alerting the shifters on RC, so adding too many alerts using DQMs would be redundant.



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Thank you for your time and attention.

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