

Update on Kaon-LT Analysis (Error Estimation)

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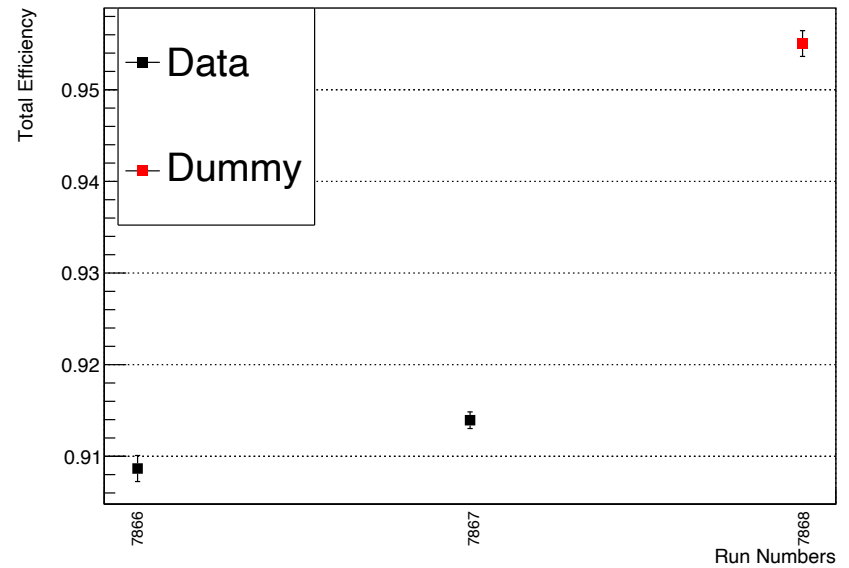
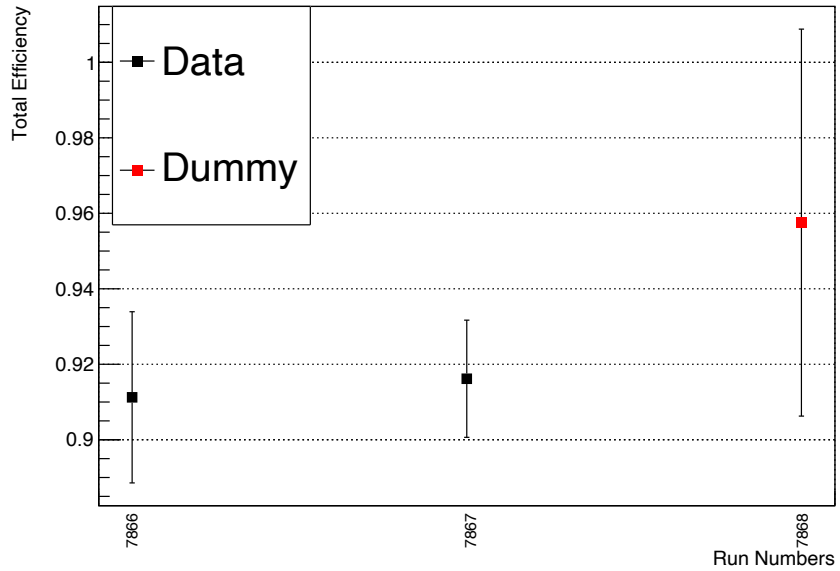
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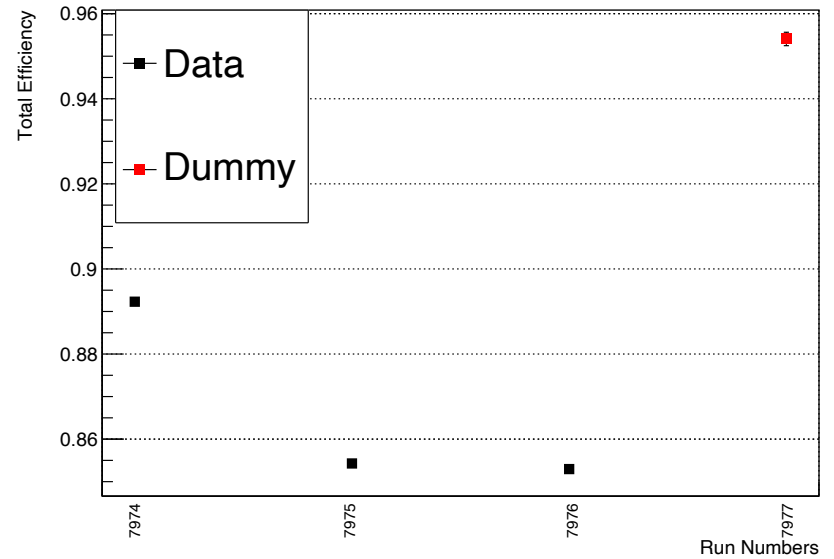
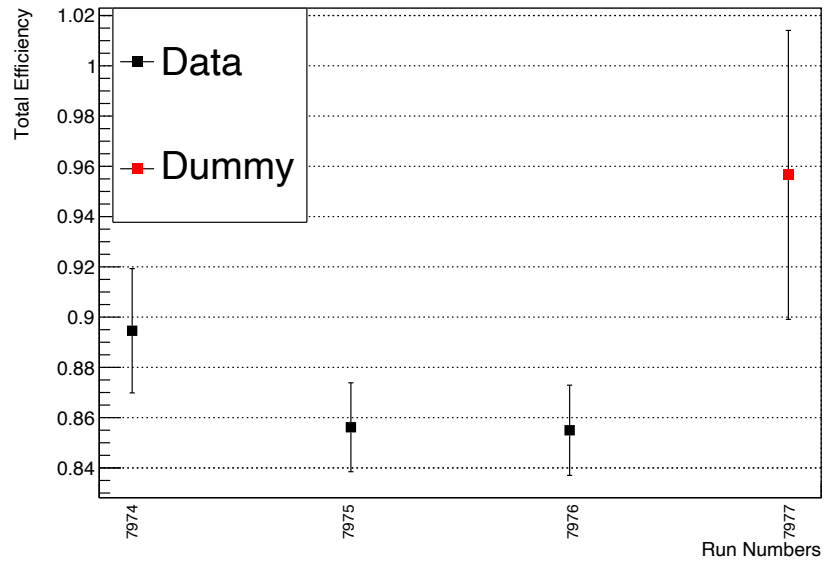
Recall

- Looking at Heep Coin data from beam energy 6.2, 8.2, 10.6 GeV
- Error bars on the efficiencies were too big.
- New error calculation using binomial standard error.

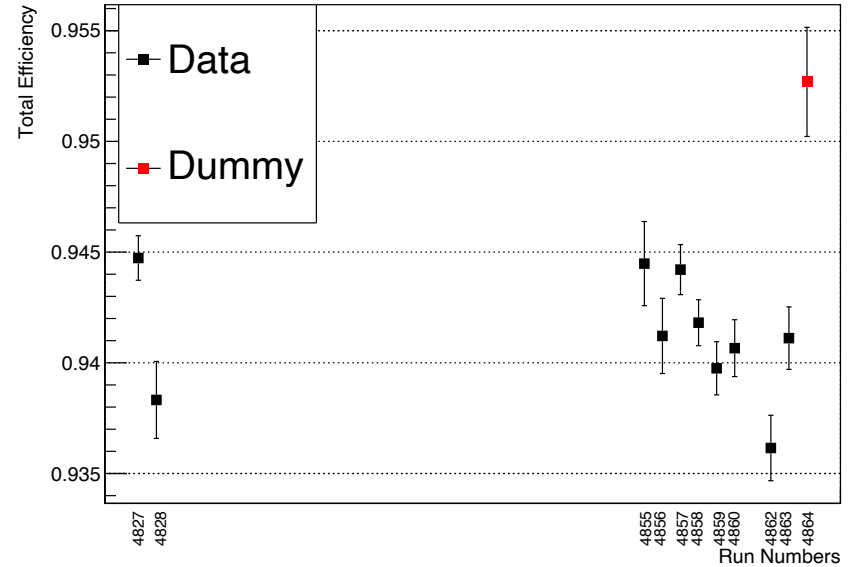
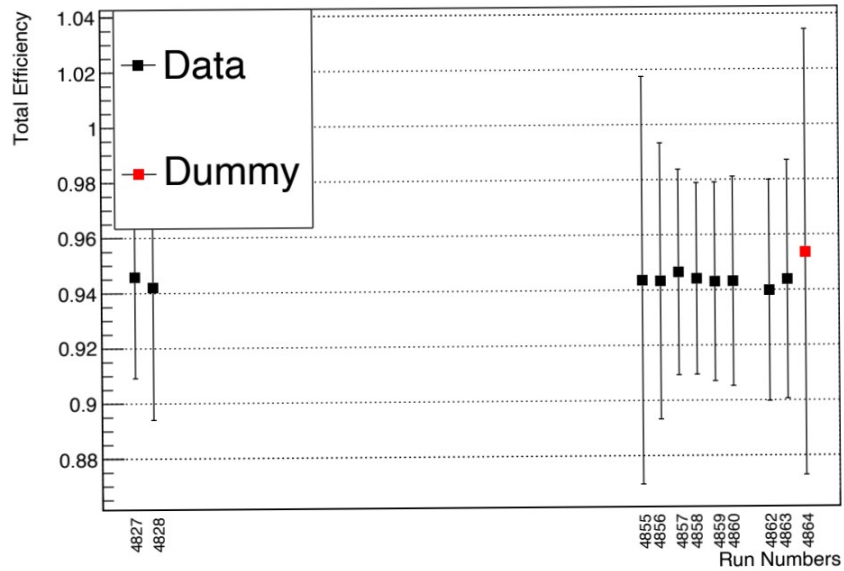
Error Comparison (6.2 GeV)



Error Comparison (8.2 GeV)



Error Comparison (10.6 GeV)



Summary

- New error calculation (binomial) are more accurate as compared to old (gaussian)
- Will implement this new calculation in all the reportfiles.
- Will perform a detailed study for HMS calorimeter efficiency.
- Finally need to finish the offset study for Heep Coin.