



SLHC Upgrade Workshop at FNAL

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University of Iowa
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With:

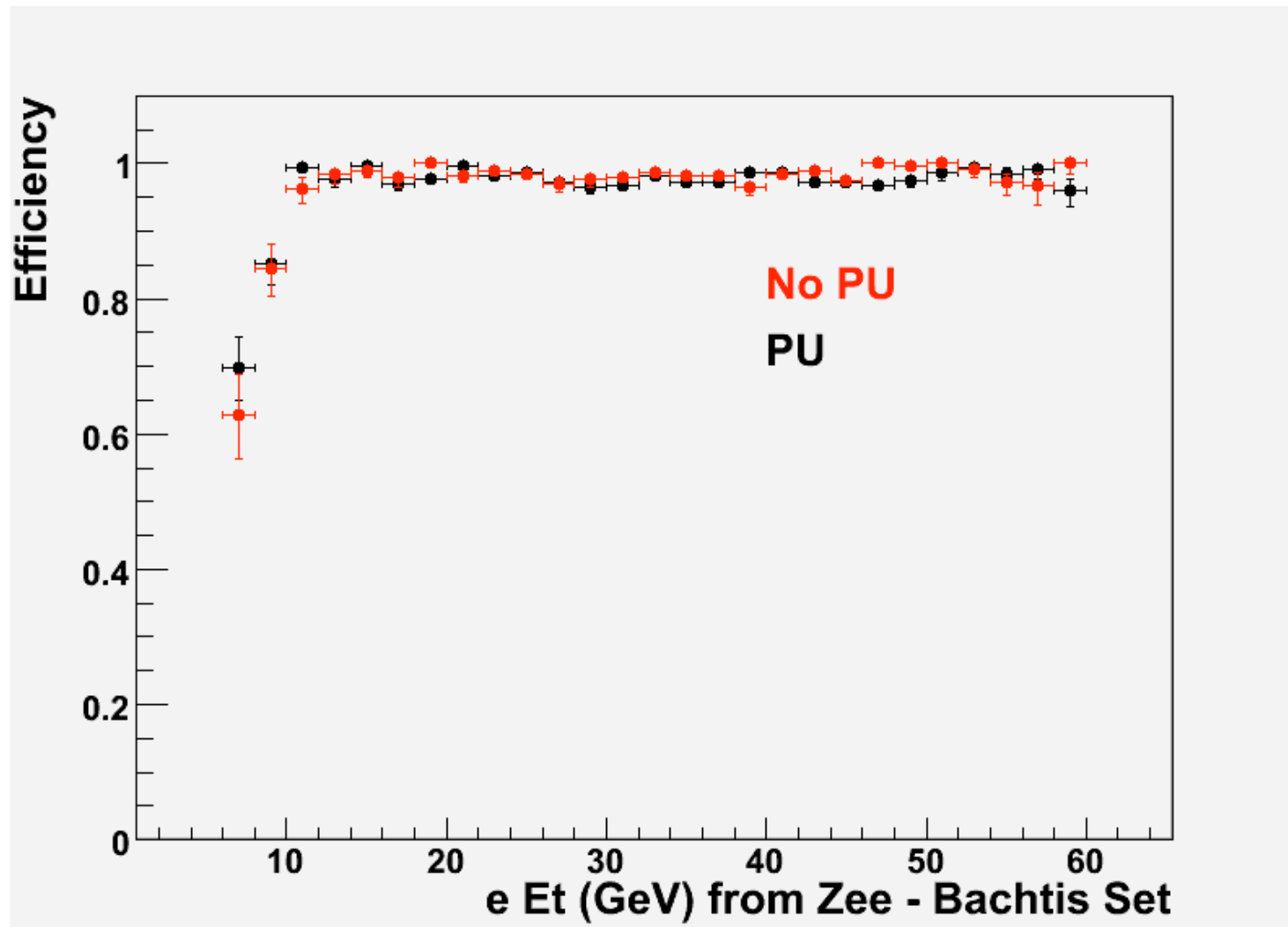
University of Iowa – J. Nachtman, J. Wetzel, K. Yi

University of Wisconsin – M. Bachtis, S. Dasu, K. Flood

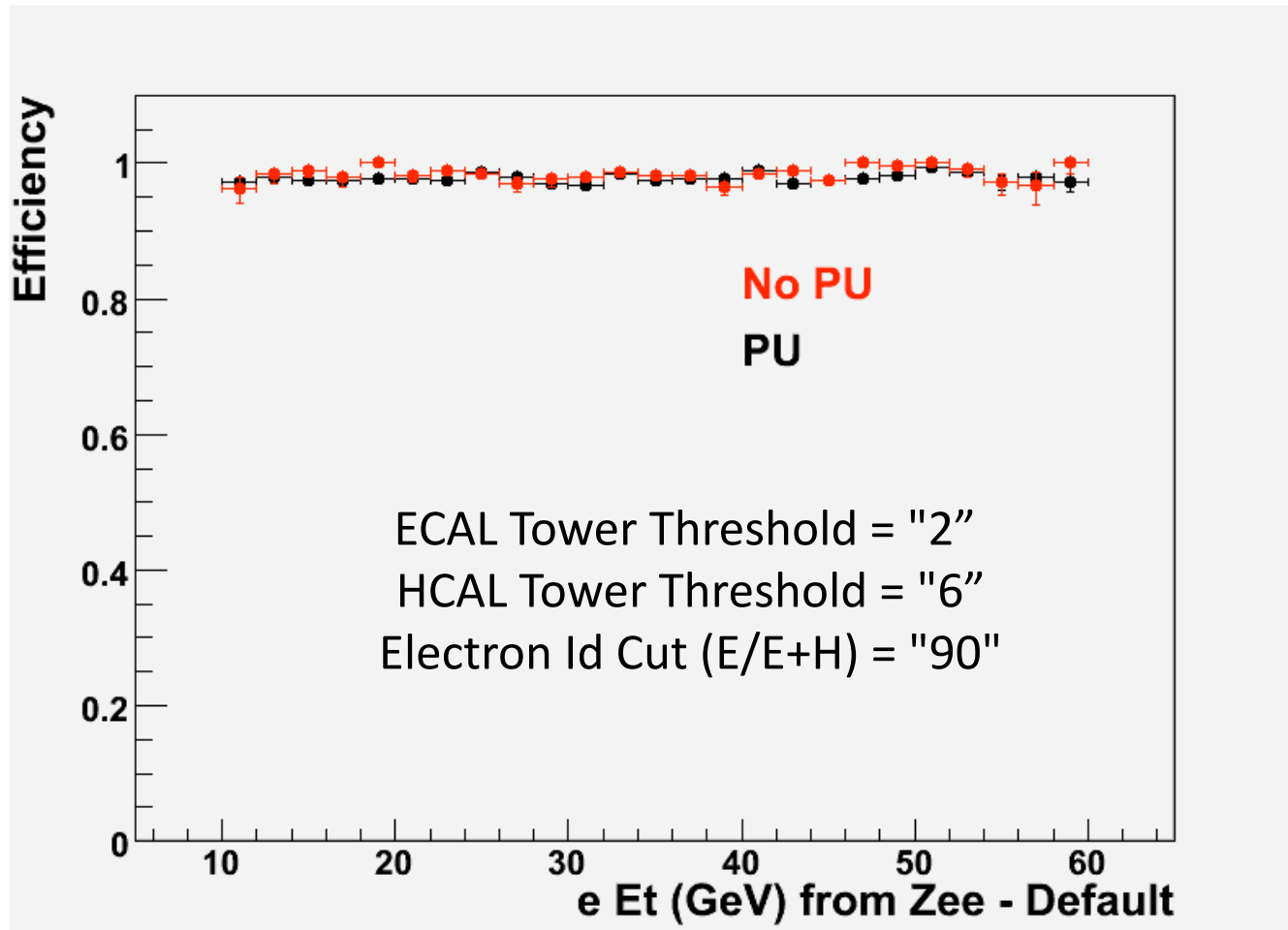
Samples

- PU – 20 interactions / crossing
- Samples ~10k events

ZEE Efficiency – Pileup Vs. No Pileup

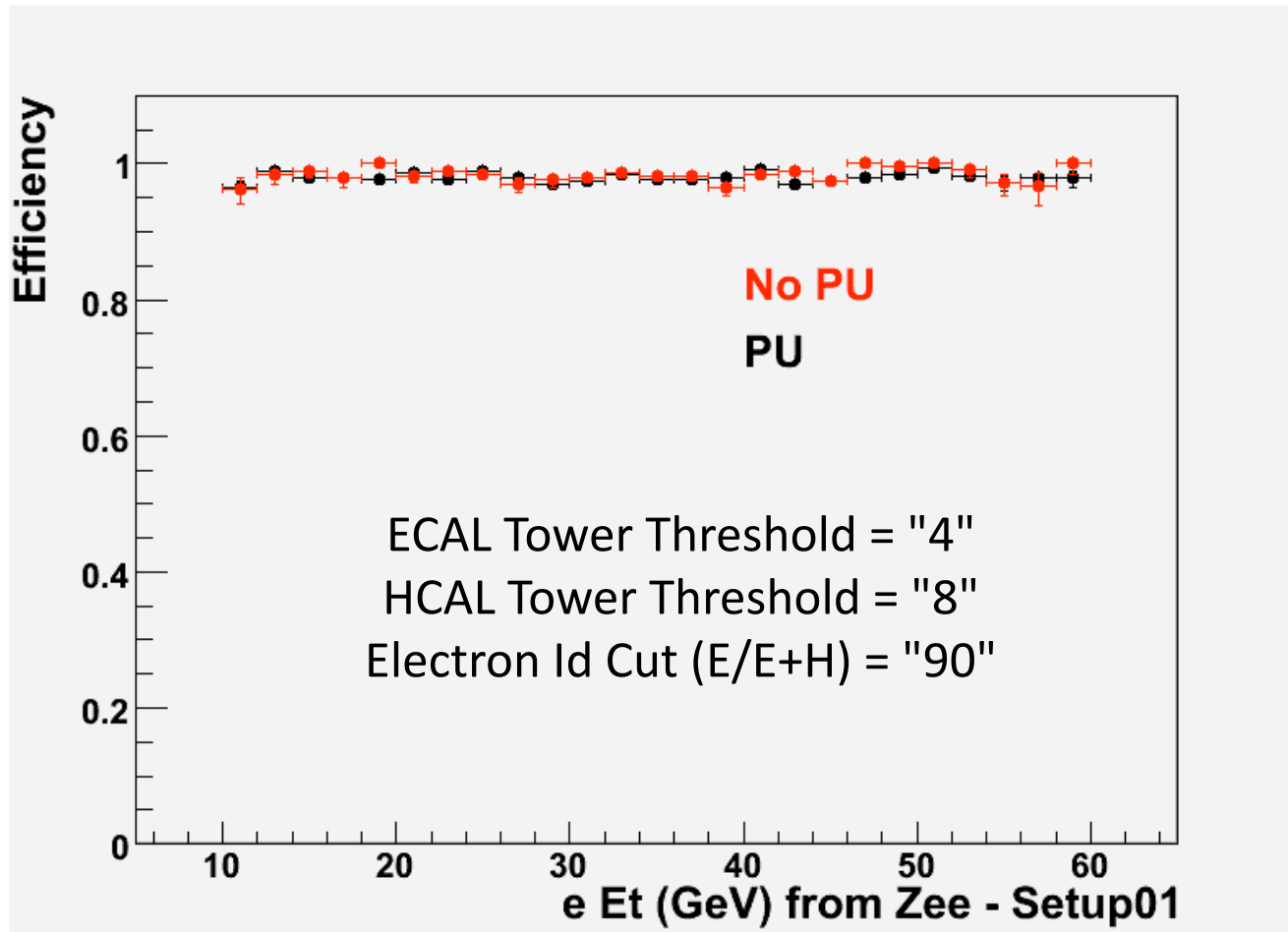


ZEE Efficiency – Pileup Vs. No Pileup



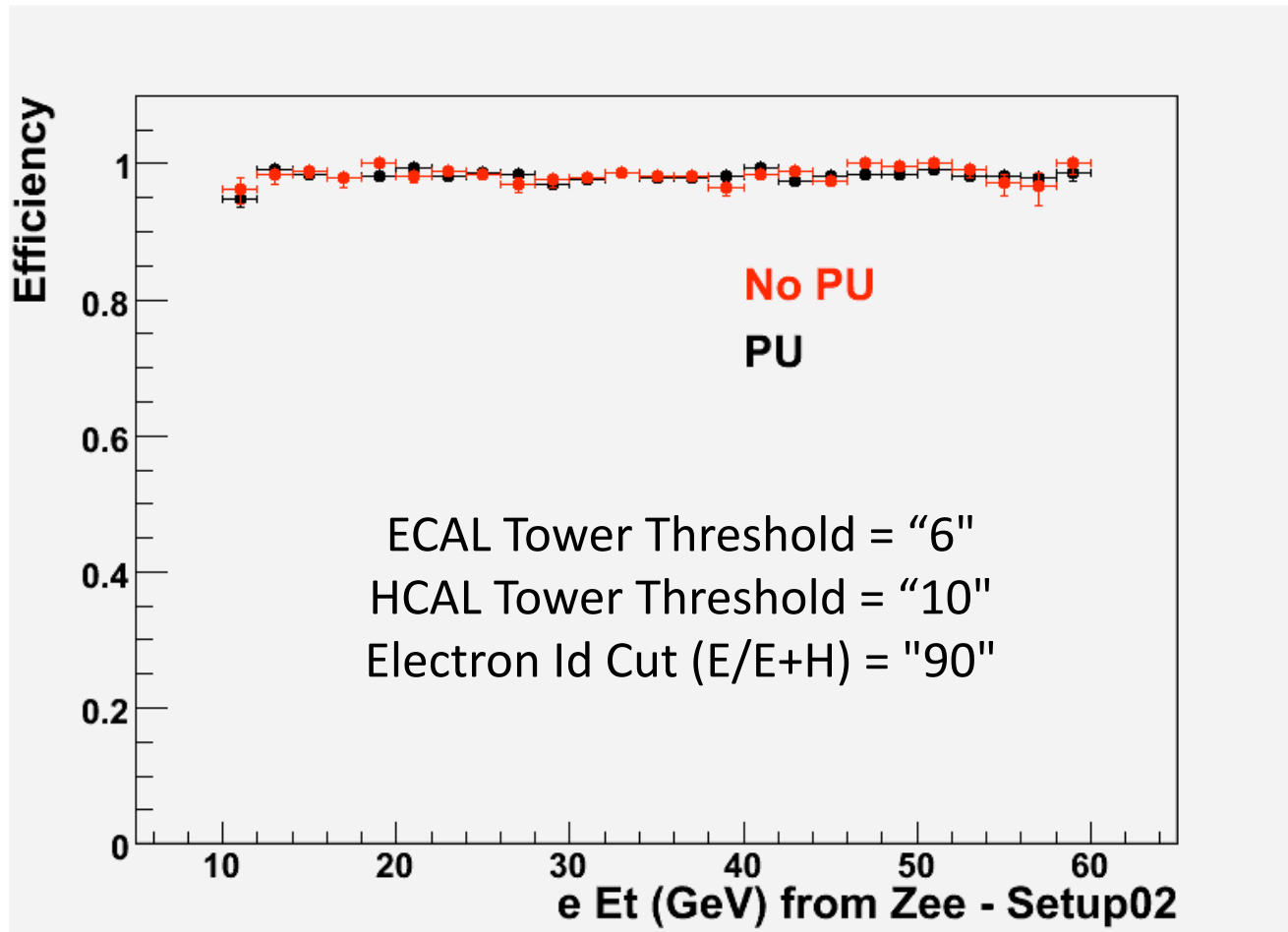
No Change with PU – 20 interactions/crossing

ZEE Efficiency – Pileup Vs. No Pileup



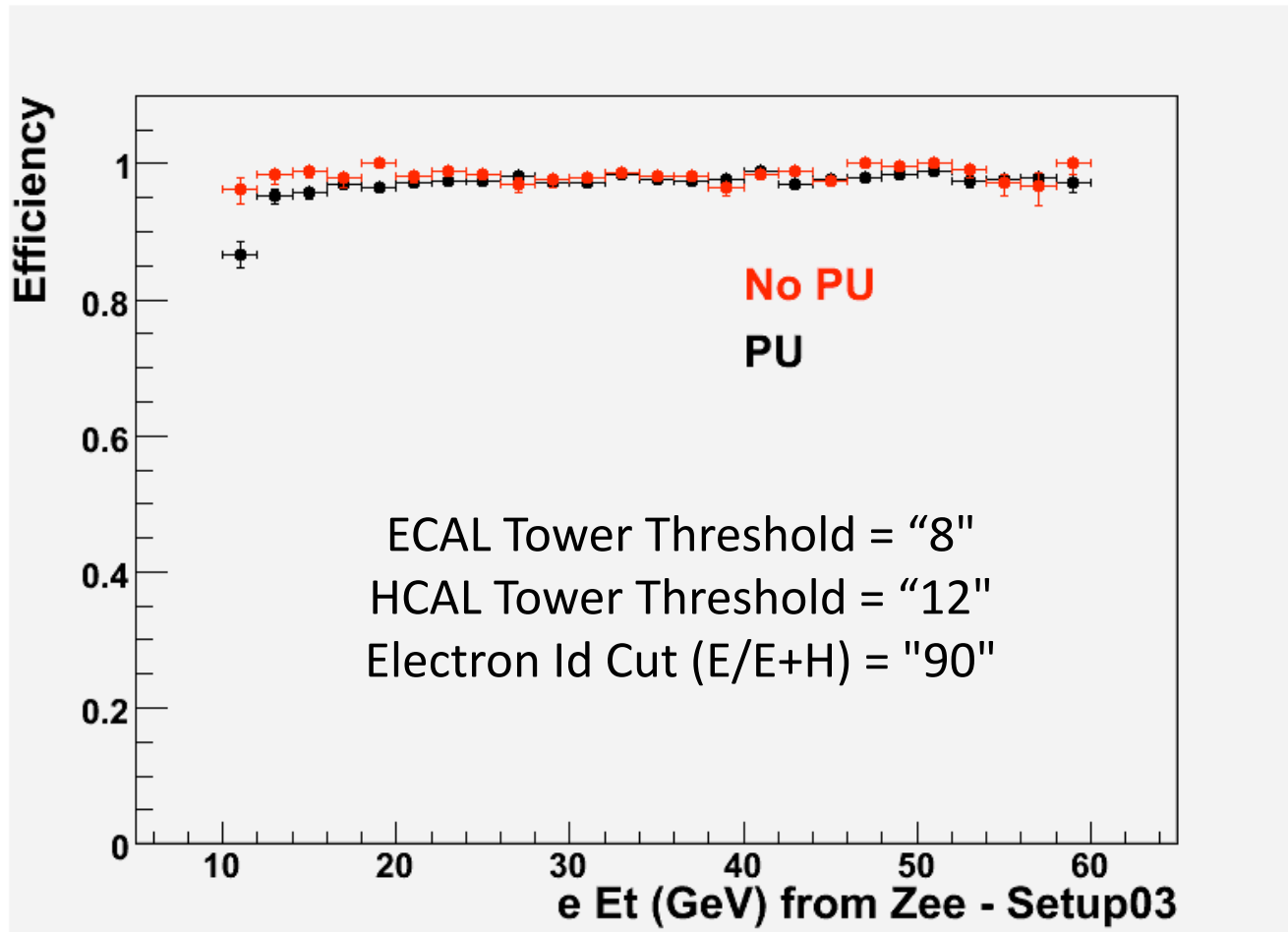
No Change with PU – 20 interactions/crossing

ZEE Efficiency – Pileup Vs. No Pileup



No Change with PU – 20 interactions/crossing

ZEE Efficiency – Pileup Vs. No Pileup

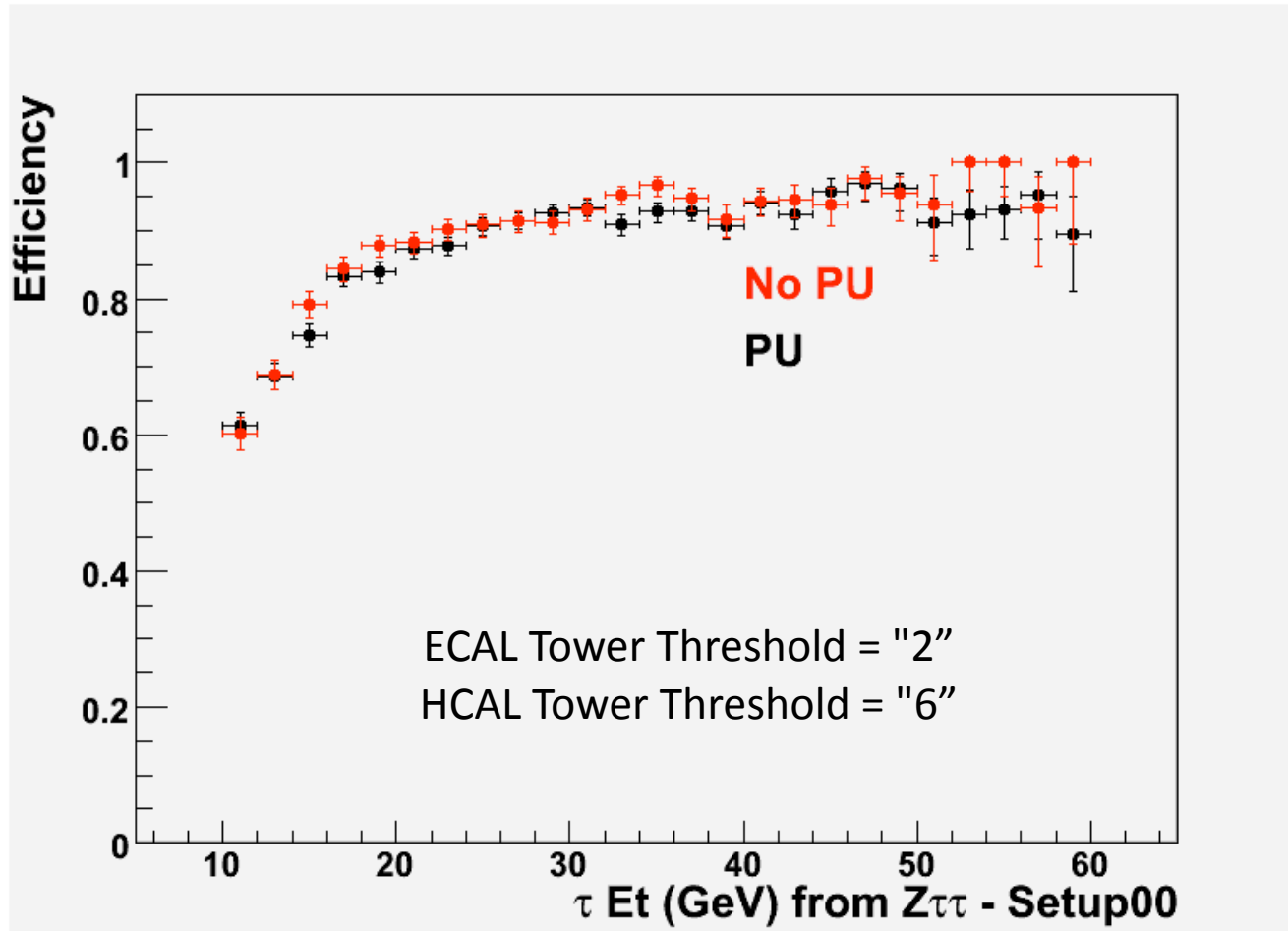


Slight change with PU – 20 interactions/crossing

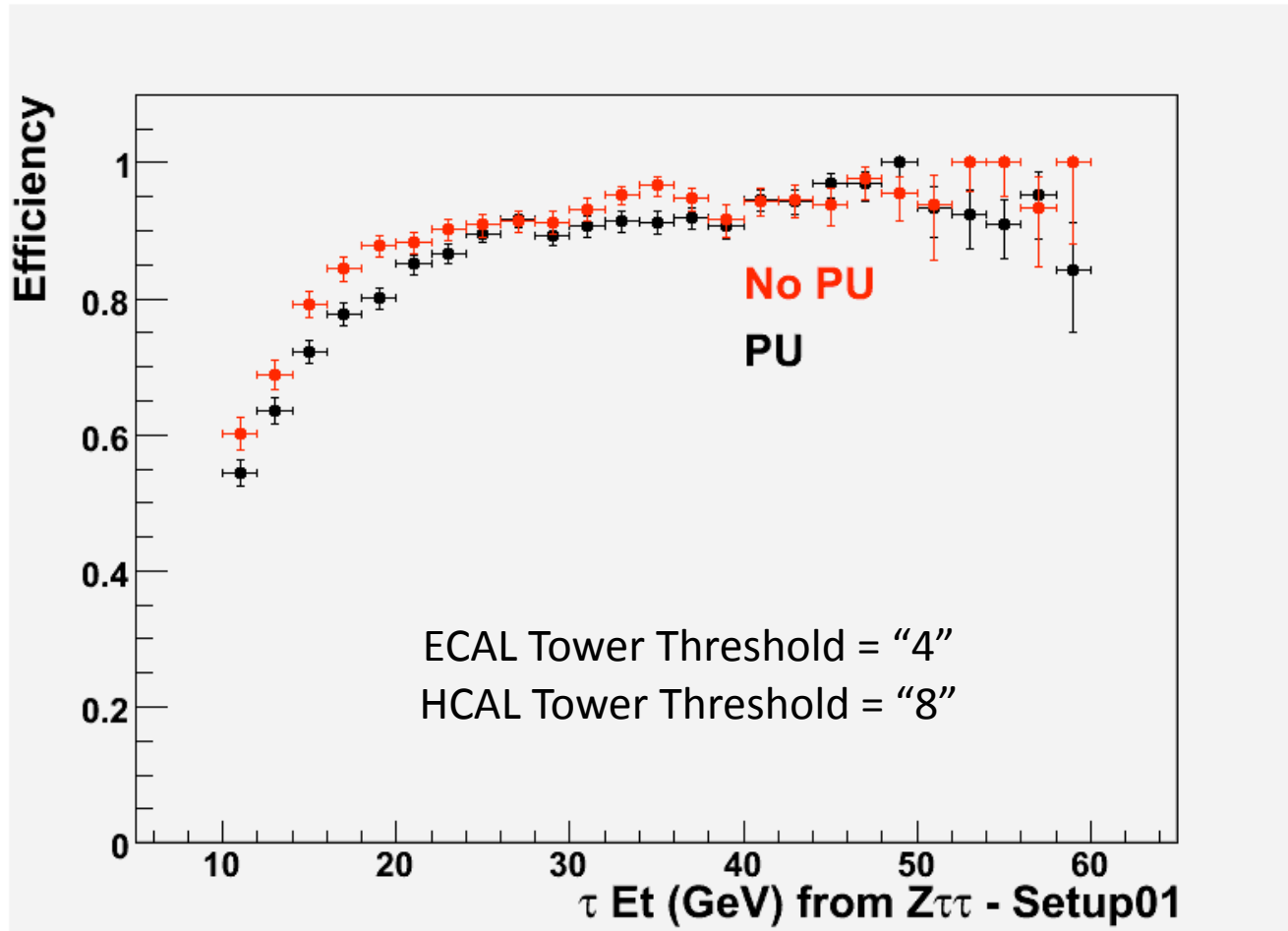
Notes

- For Electron, no major difference among the variations although...
- there was a slight decrease in low ET for largest variation among pileup/no pileup samples.

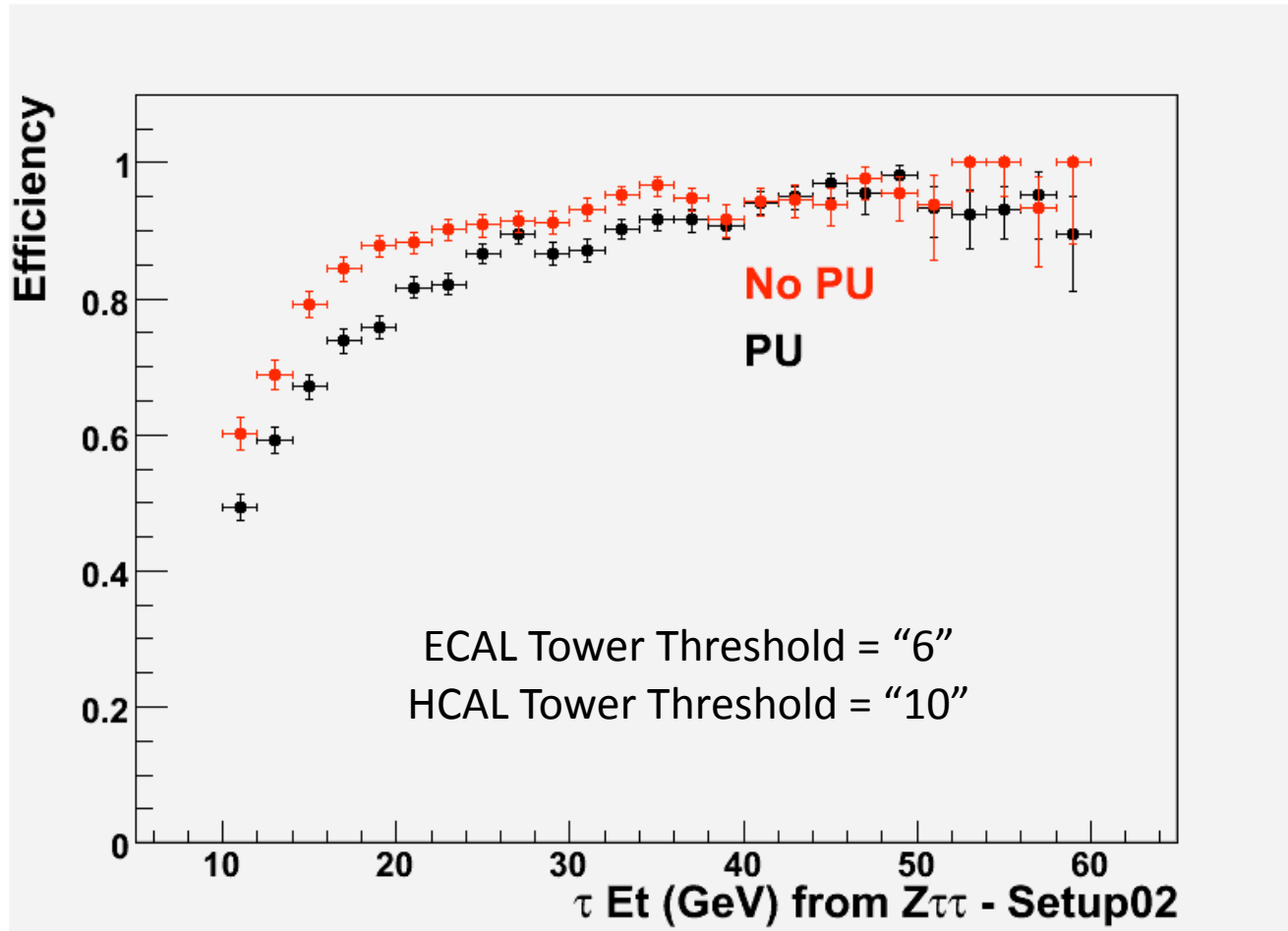
ZTT – Pileup Vs No Pileup



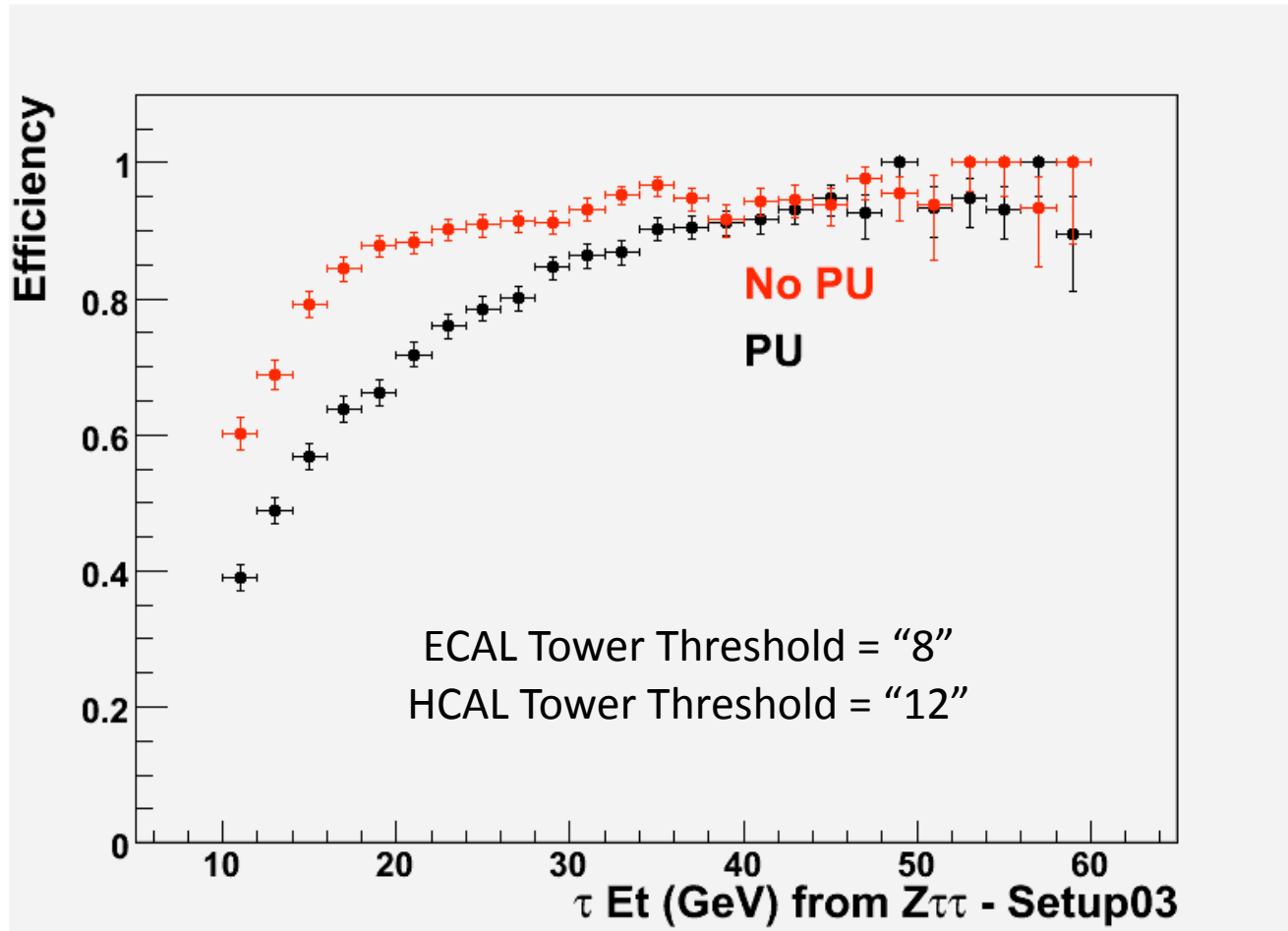
ZTT – Pileup Vs No Pileup



ZTT – Pileup Vs No Pileup



ZTT – Pileup Vs No Pileup



Notes:

- For Tau, there is a noticeable decrease in low ET between each variation.

Thank you!