



Z + Jets

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Outline



- Introduction
- Generator-level plots



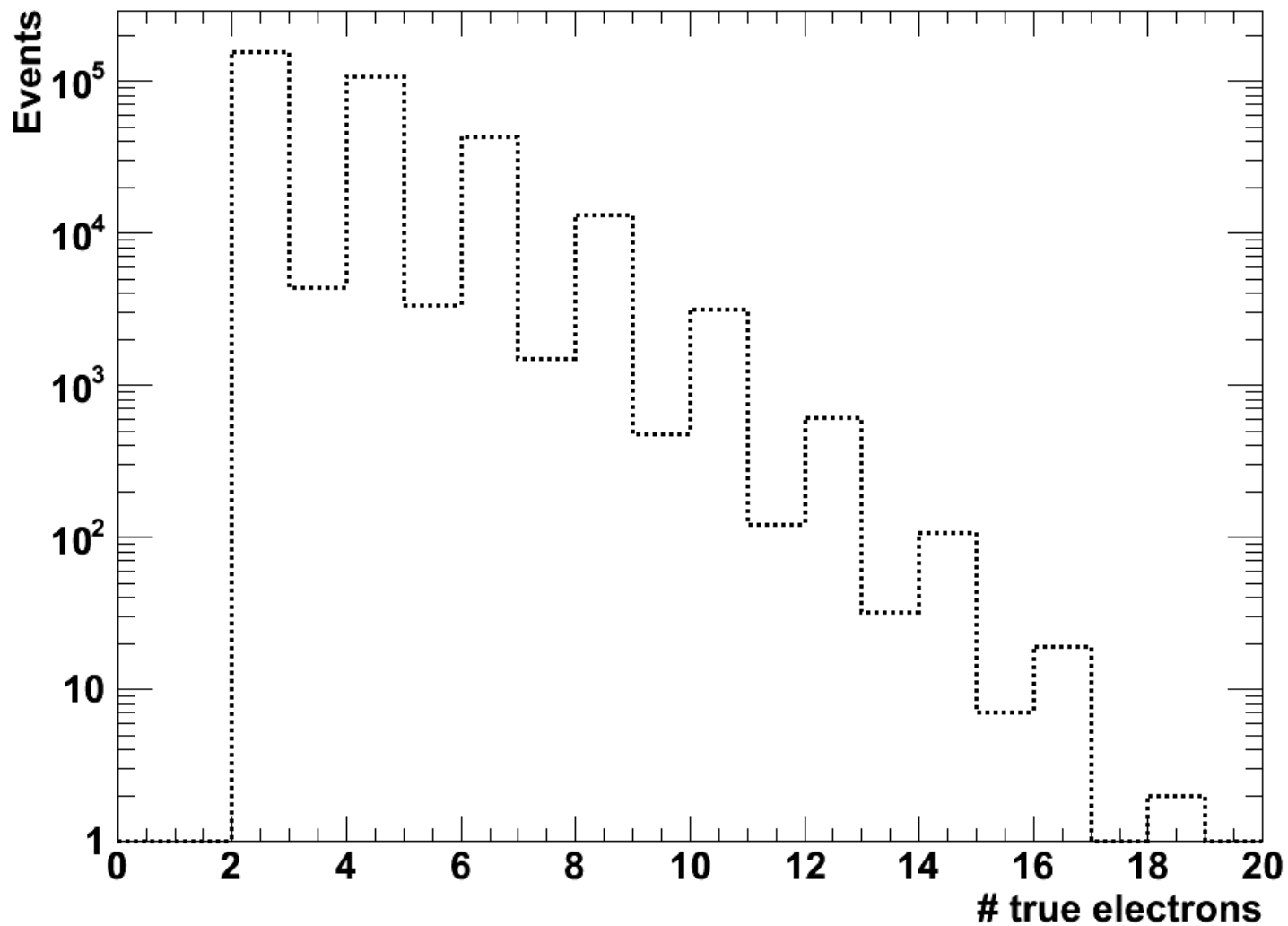
Introduction



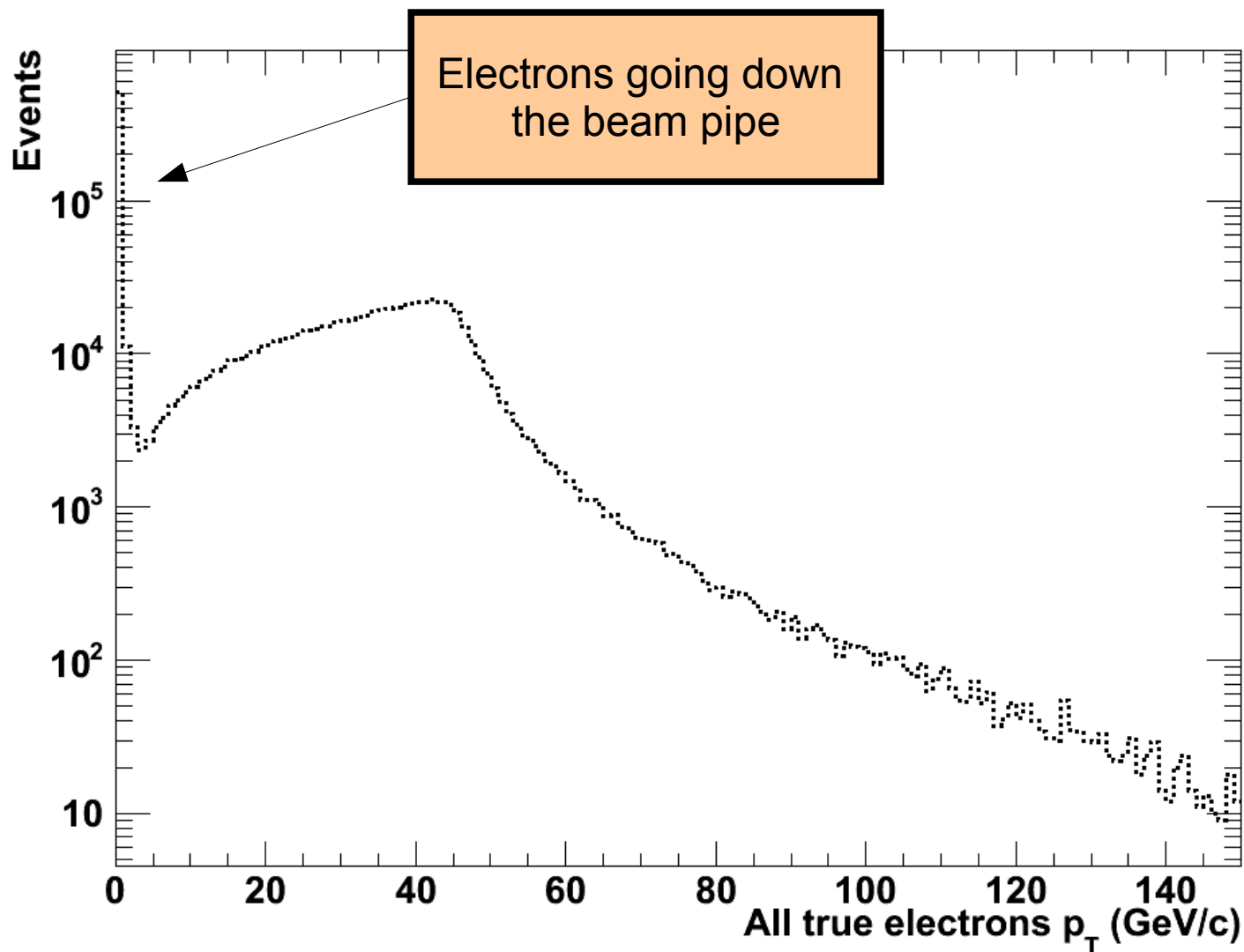
- Z+Jets events from Summer08 Madgraph Samples
 - CMSSW 2_2_3
 - PF & PAT
 - No event weighting (yet)
 - No backgrounds
 - Samples exist (QCD/W Jets/ttbar)
 - Analyzer improvements underway
 - Bug fixes
 - Adding isolation variables & event weights
 - Will be running on Winter09 samples
- Looking at events where at least one Z coming from electrons was **generated**

Generator-Level plots

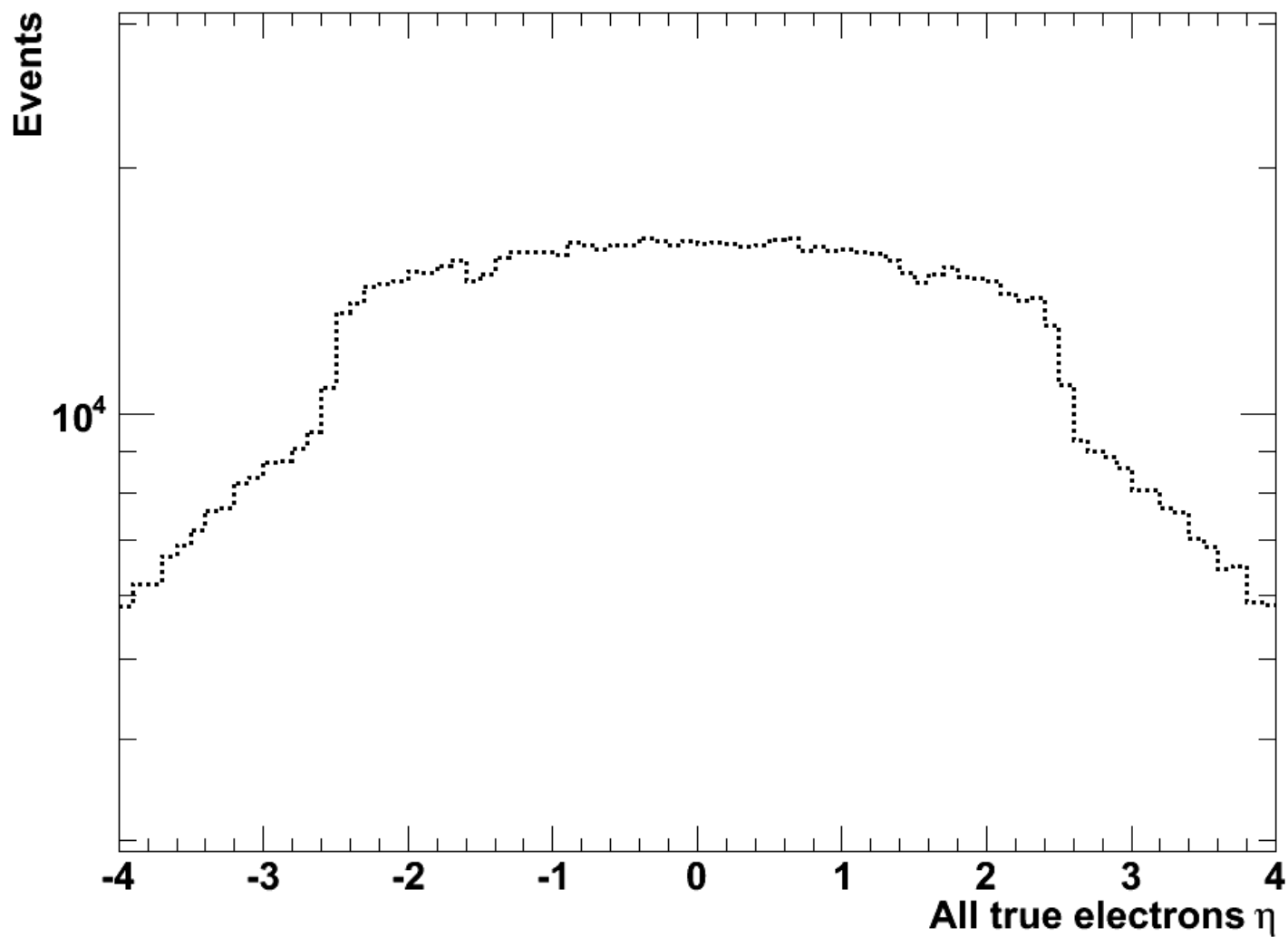
generated electrons



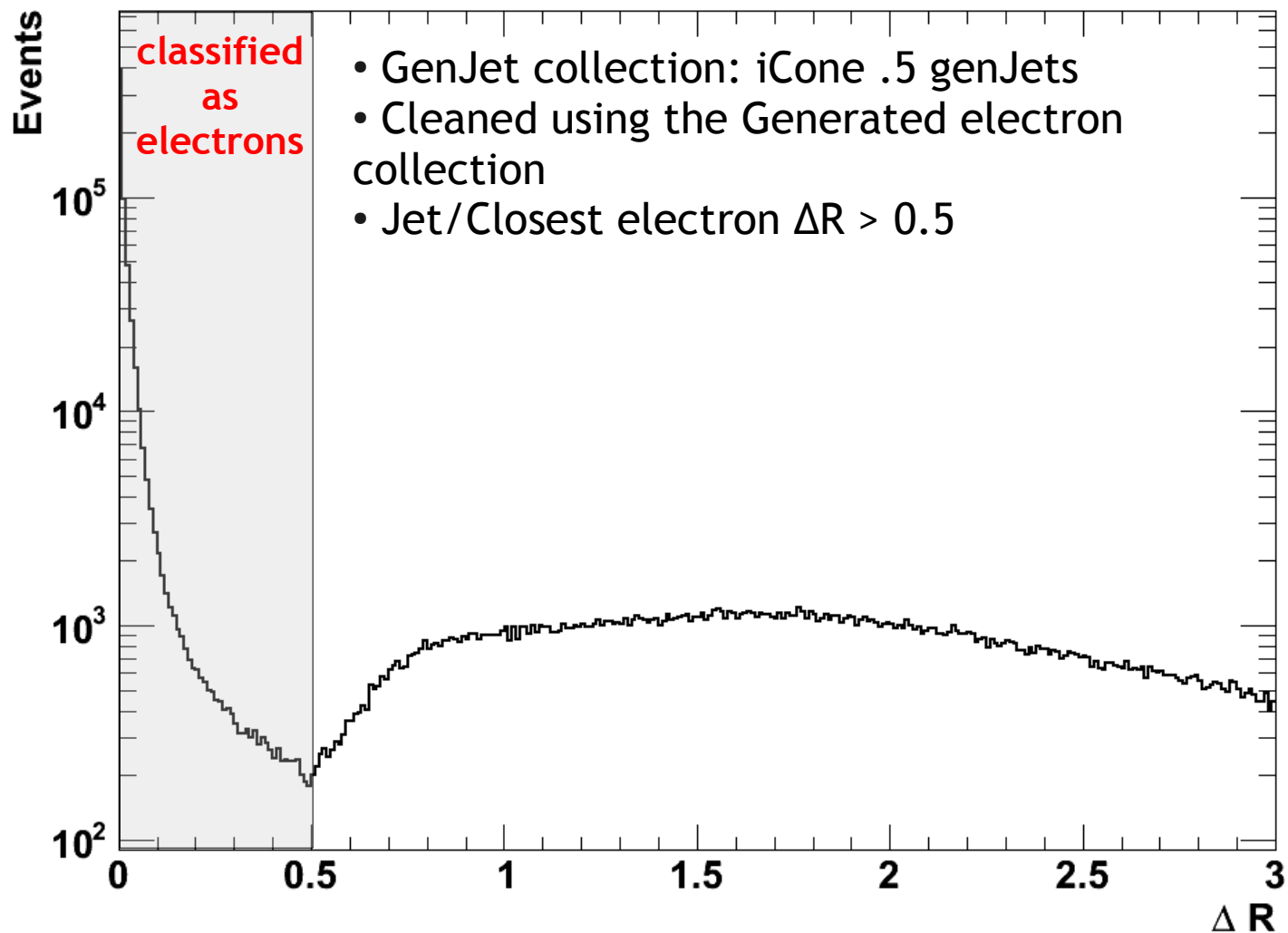
Generated electron P_T



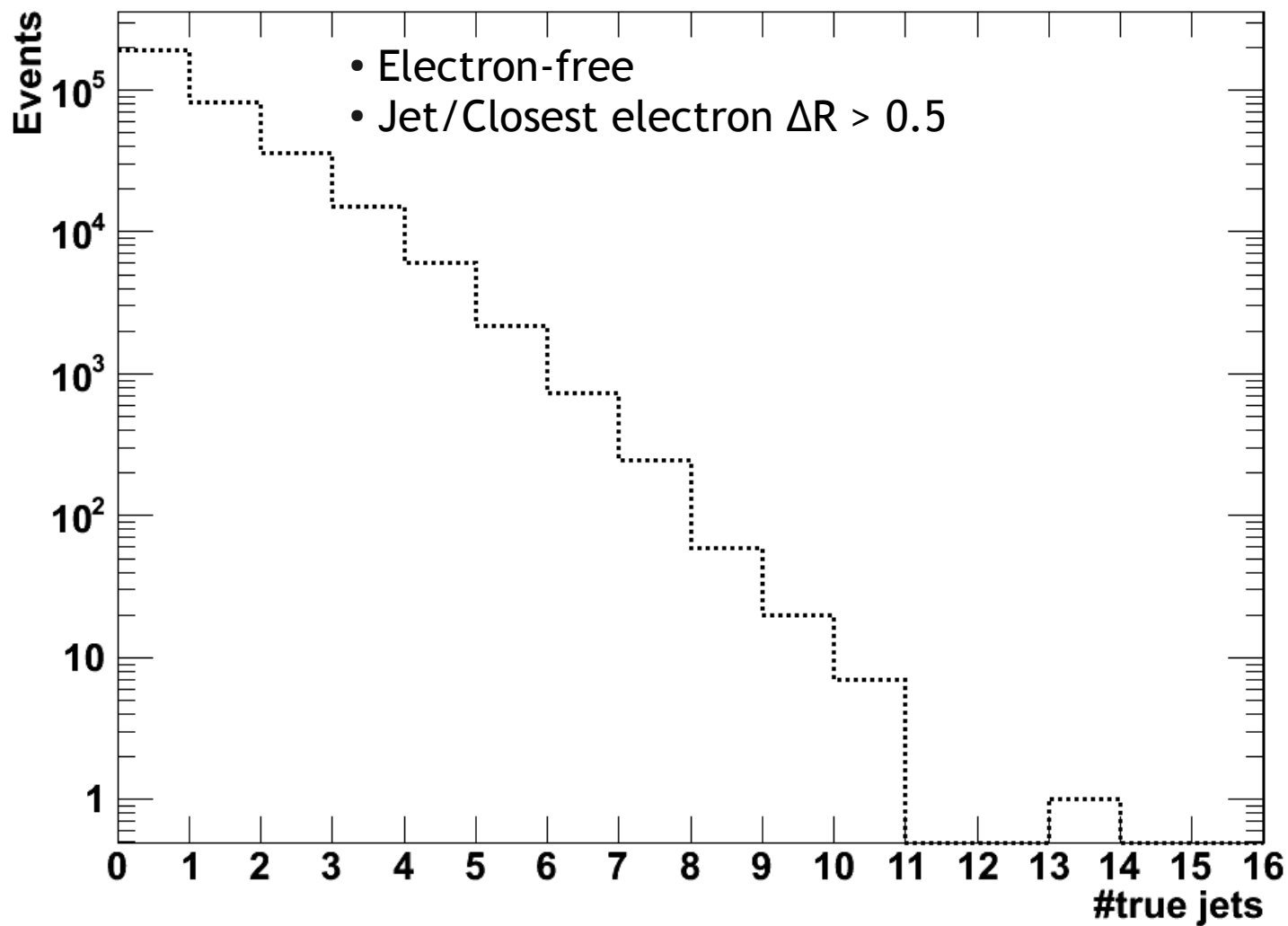
Generated electron η



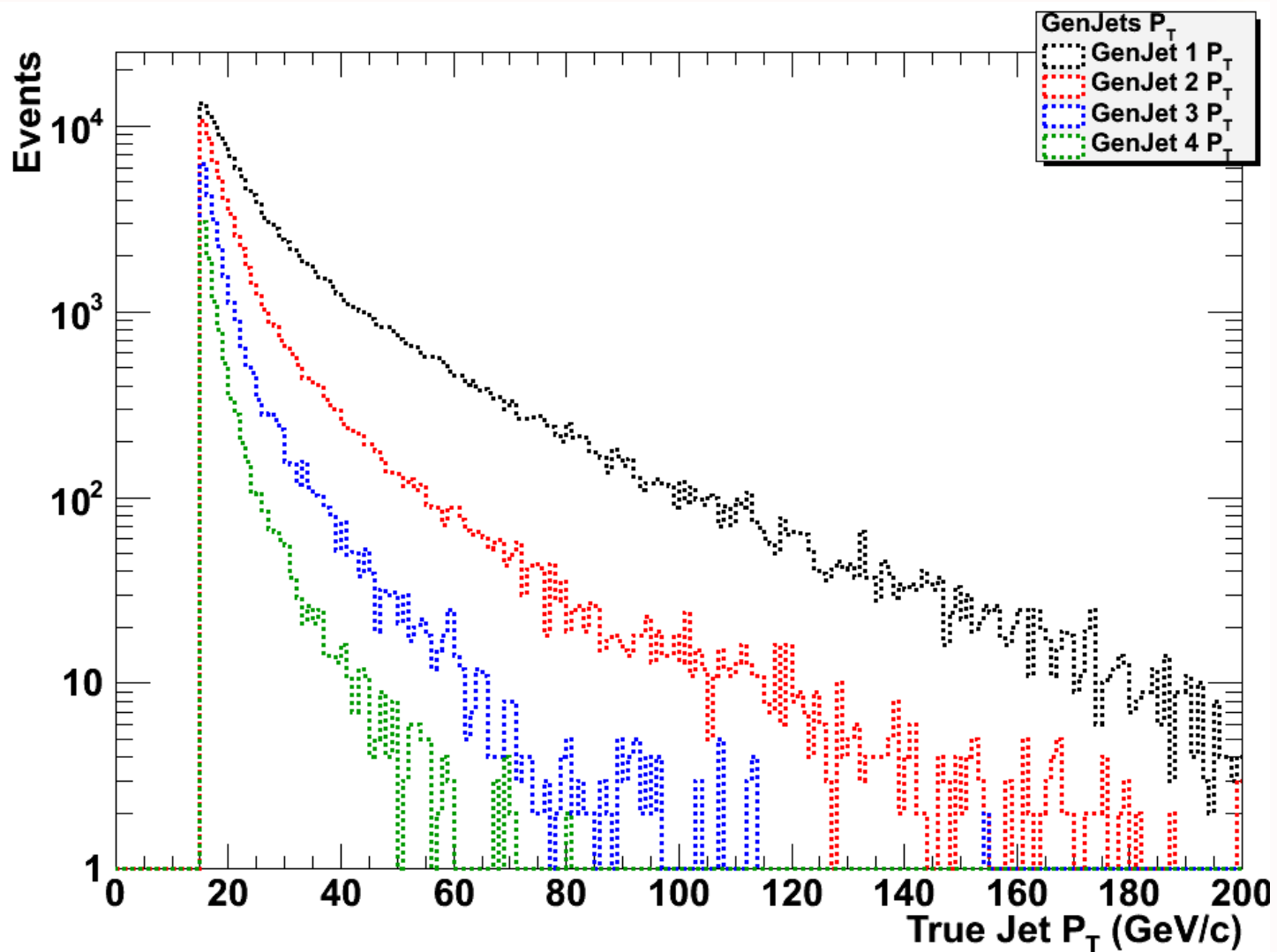
Cleaning Generated Jets



generated Jets



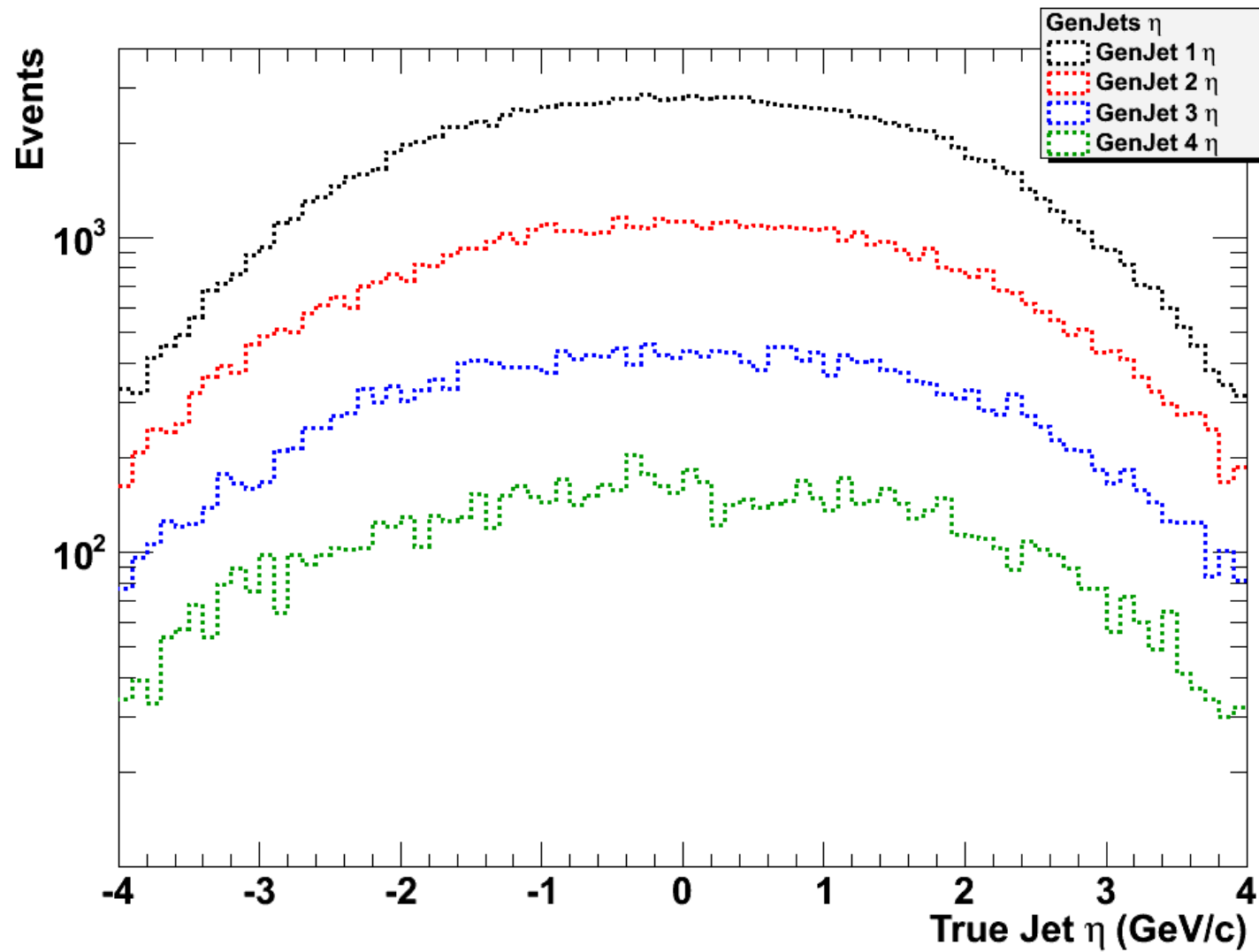
Generated Jet P_T



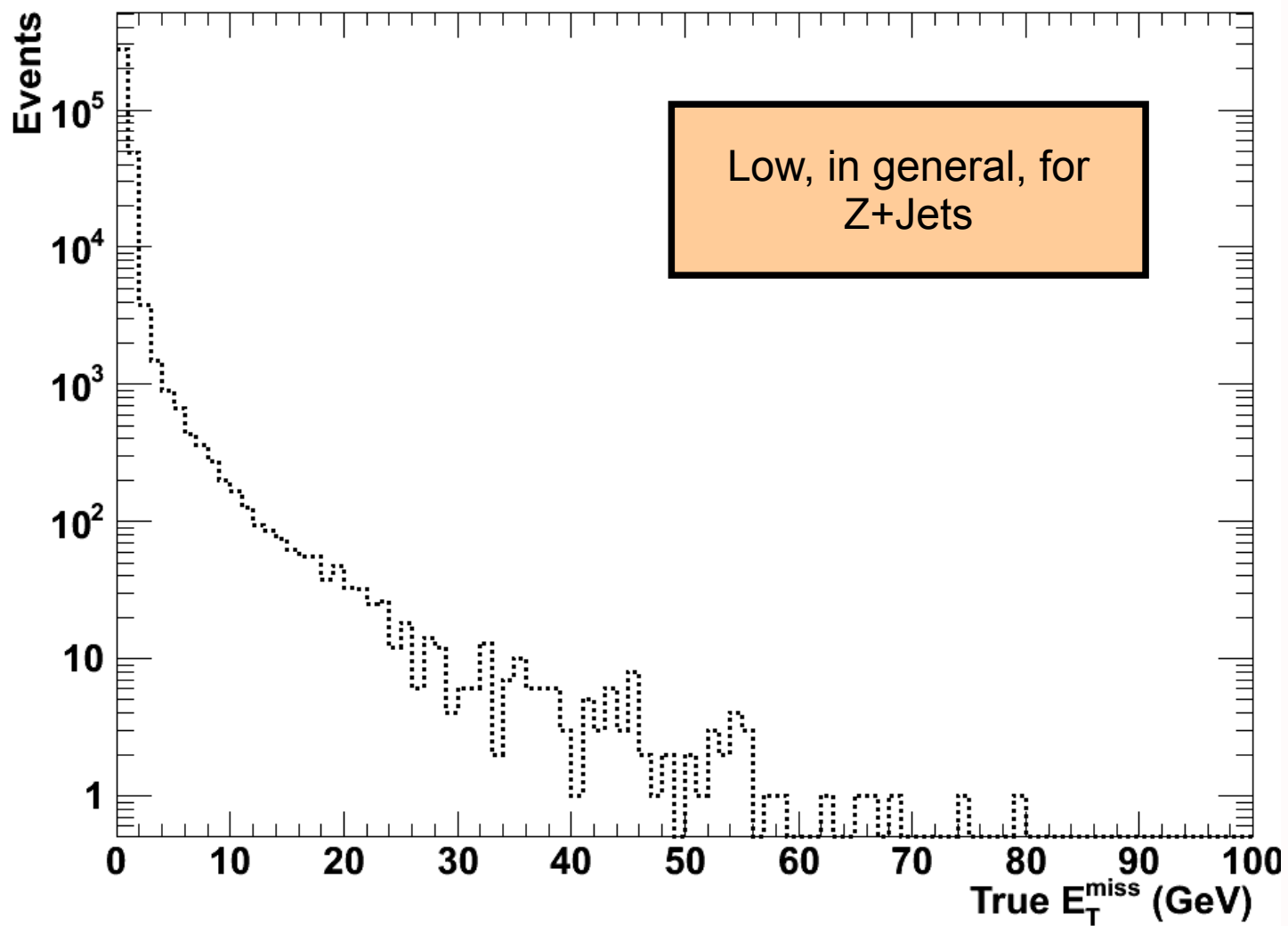
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Generated Jet η



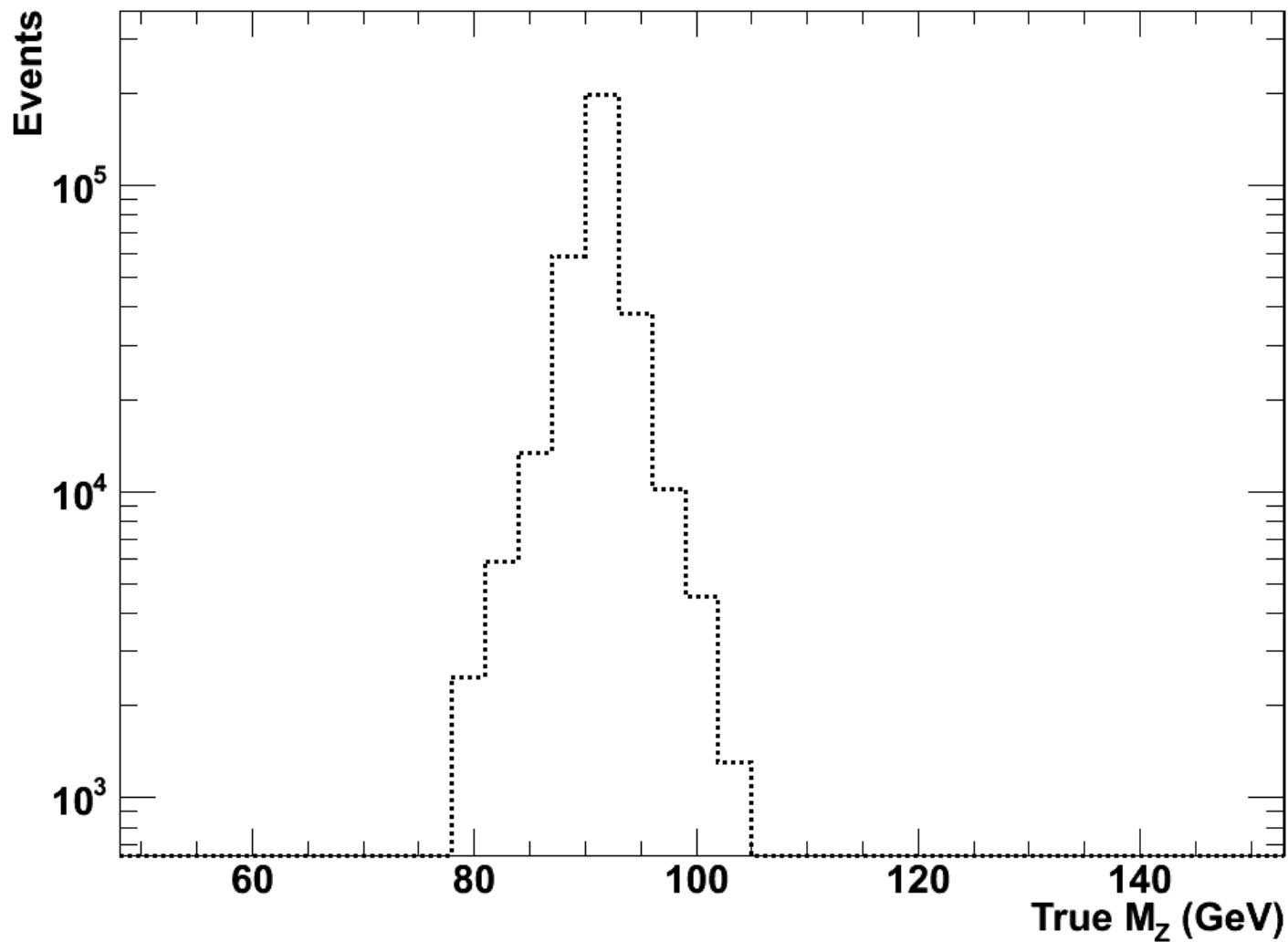
Missing energy



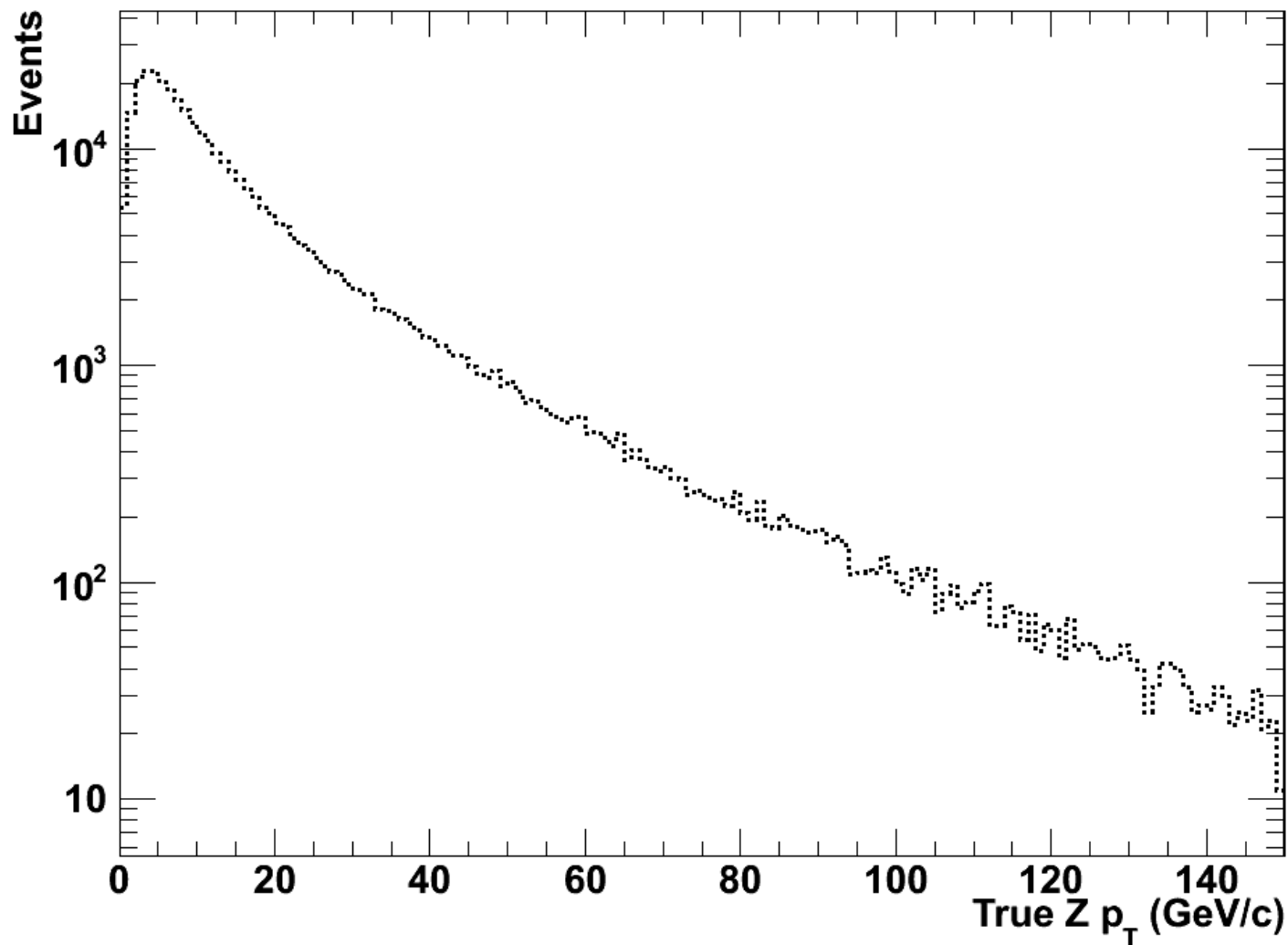
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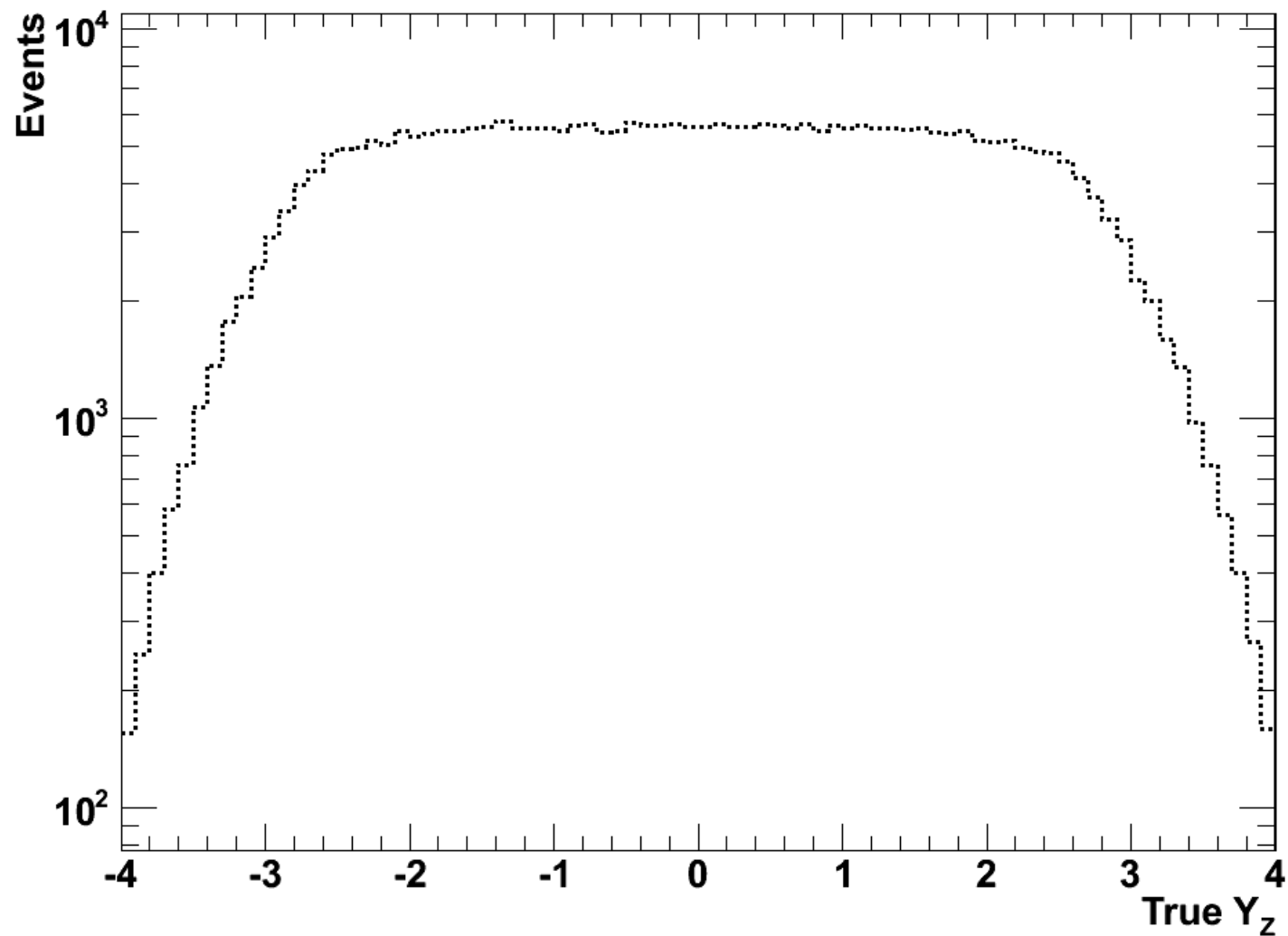
Generated Z mass



Generated Z P_T



generated Z rapidity





What the future shall bring...



- Plots from reconstructed information
- A new analyzer
 - Will run on new samples - need to look at GEN info again
- Hopefully some plots from the QCD-rejection studies with Pedrame
- ~~Free time~~