

Status of π^- Channel

12/09/2021 Analysis Update

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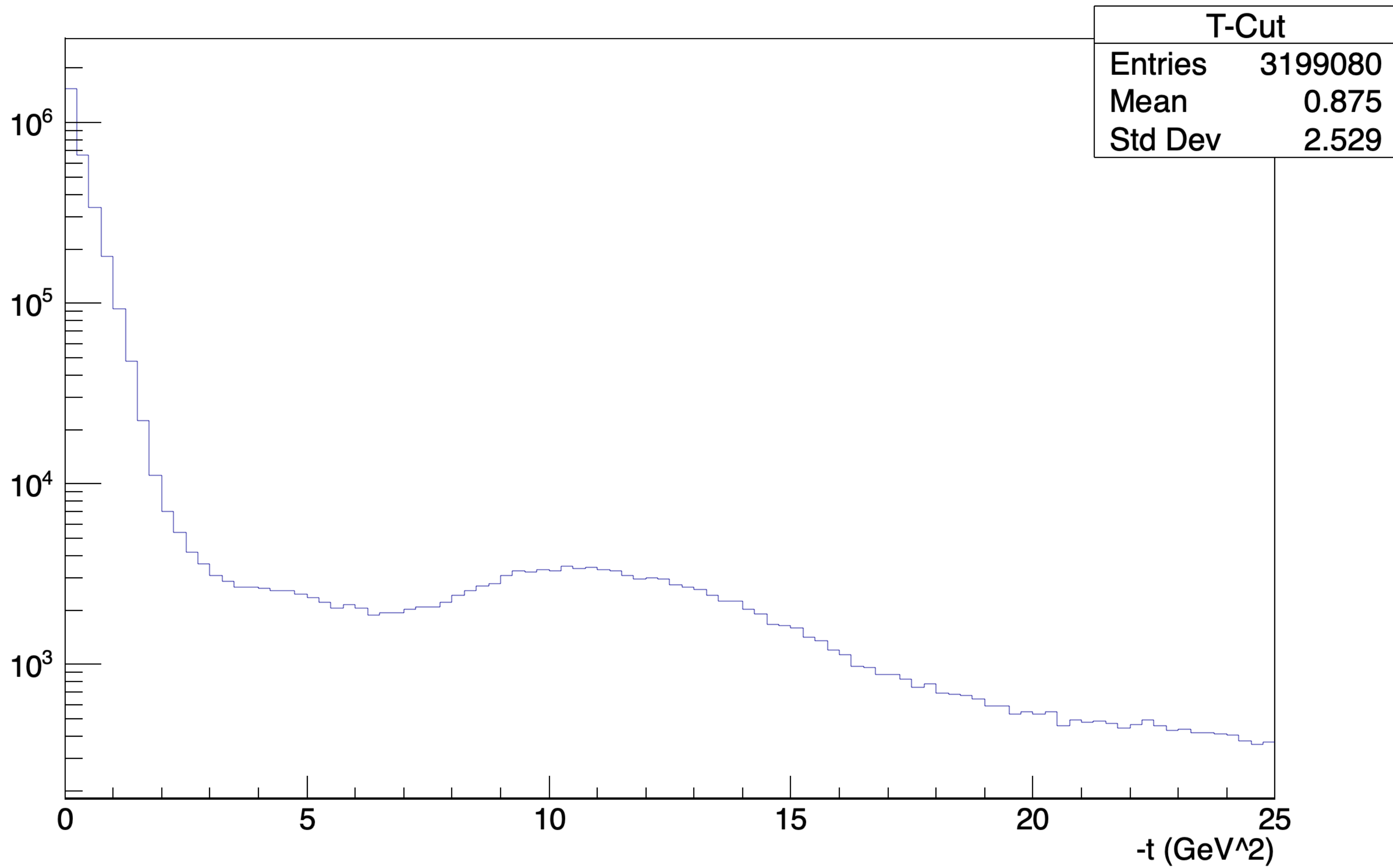
Cuts so far

- $CL < 0.05$
- Total energy < 7
- $P_{\text{minus}} < 0.7$

Helium (40% of Data)

T Distribution

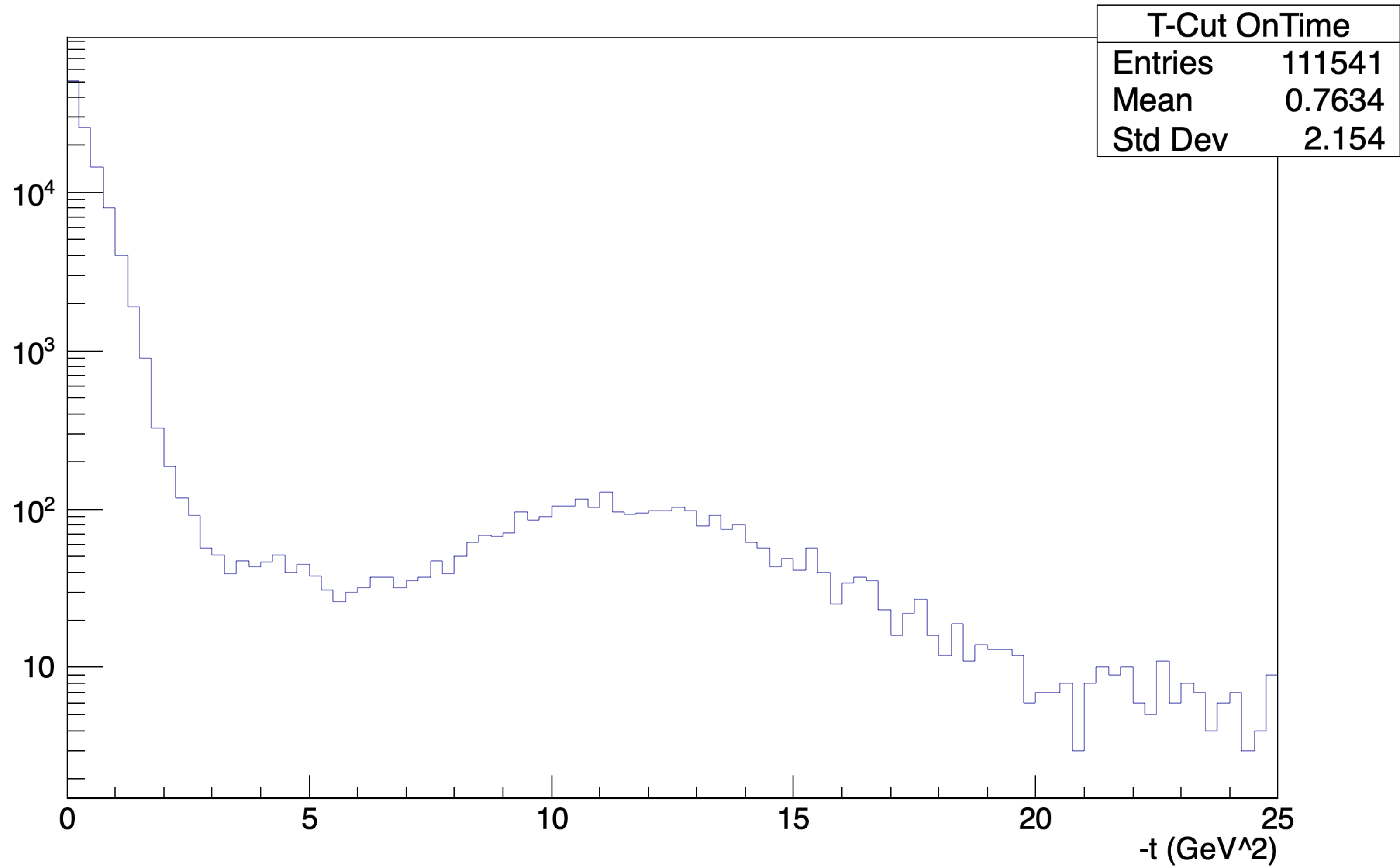
Beam Photons > 7 GeV



Helium (40% of Data)

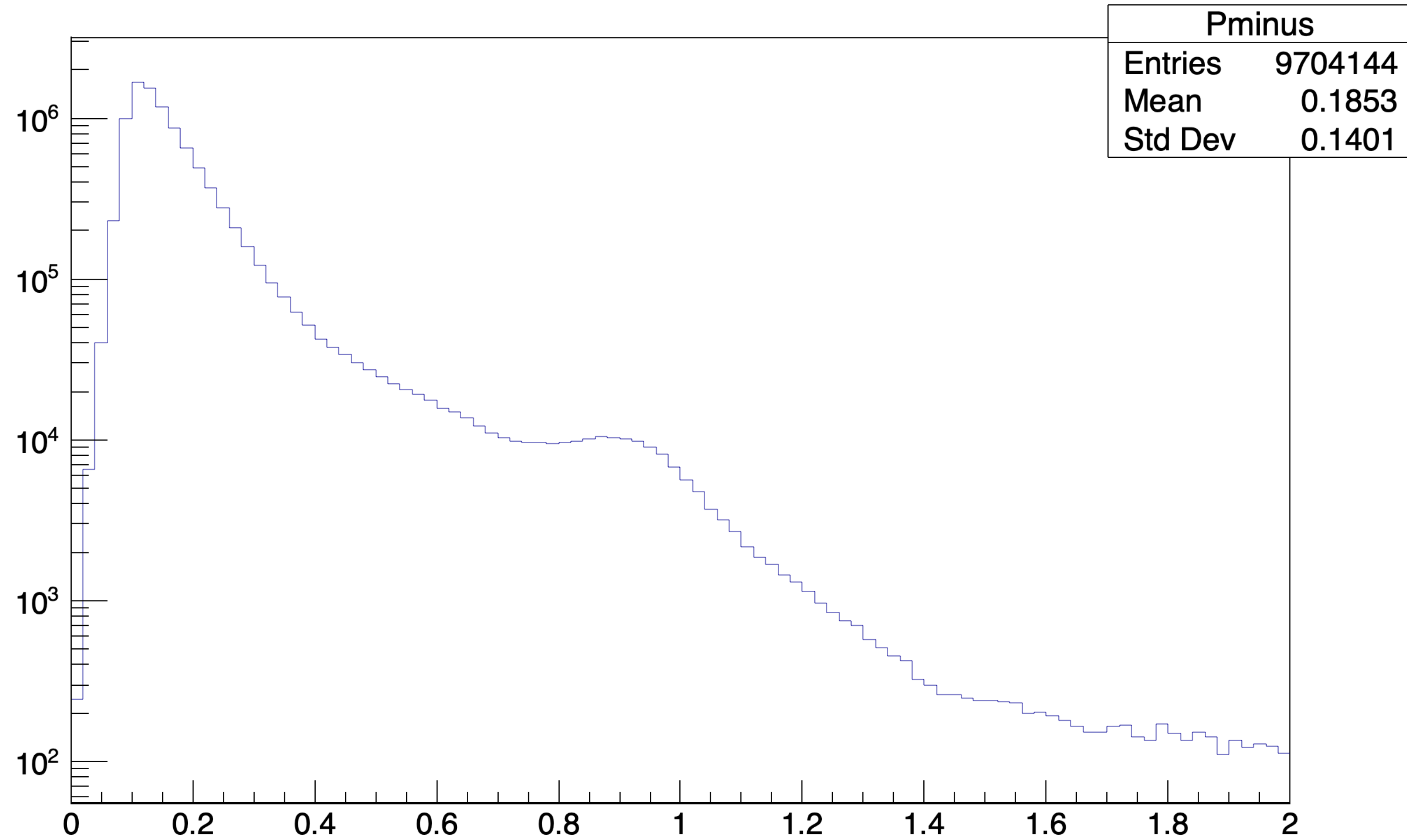
On-time T Distribution

On-Time



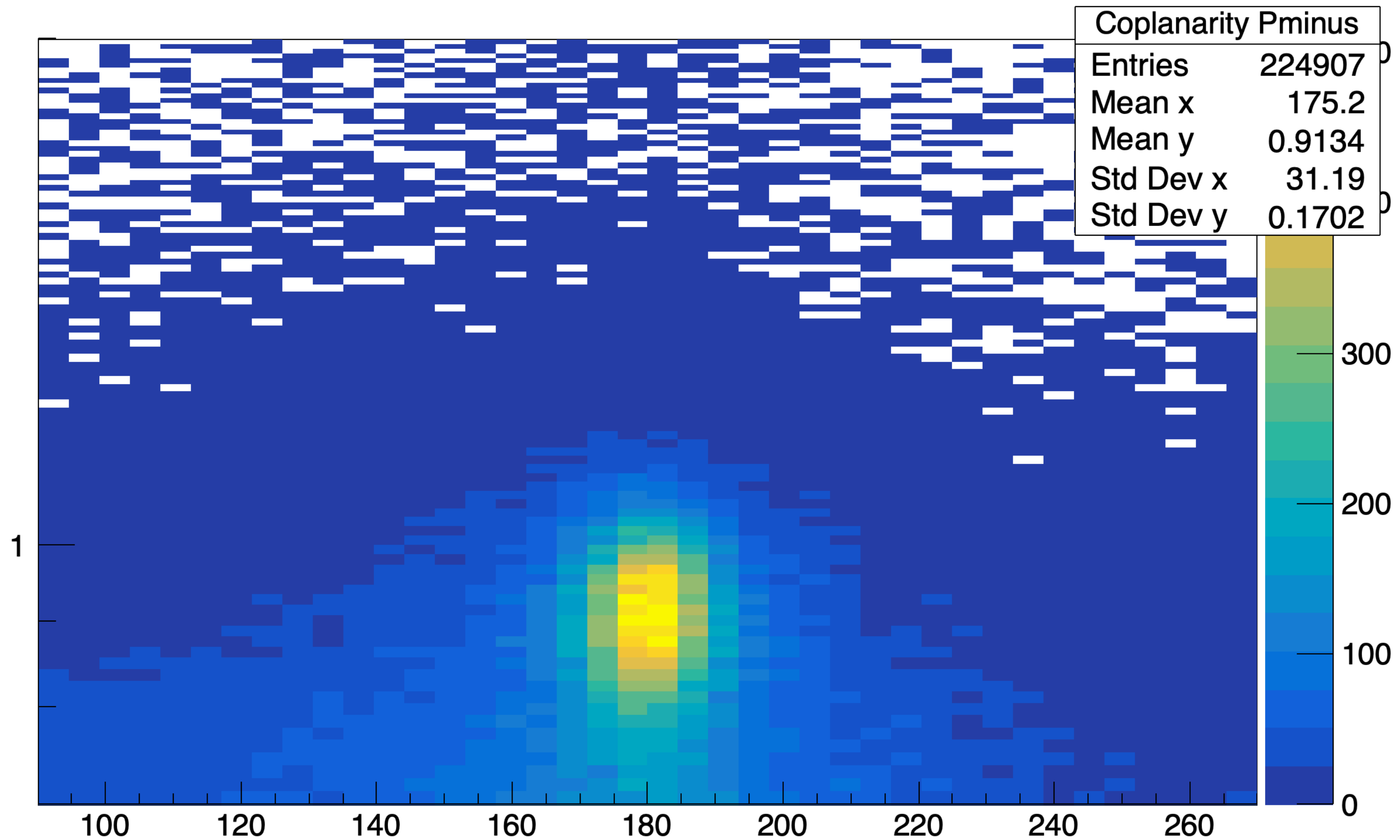
Helium (40% of Data)

PMinus Distribution

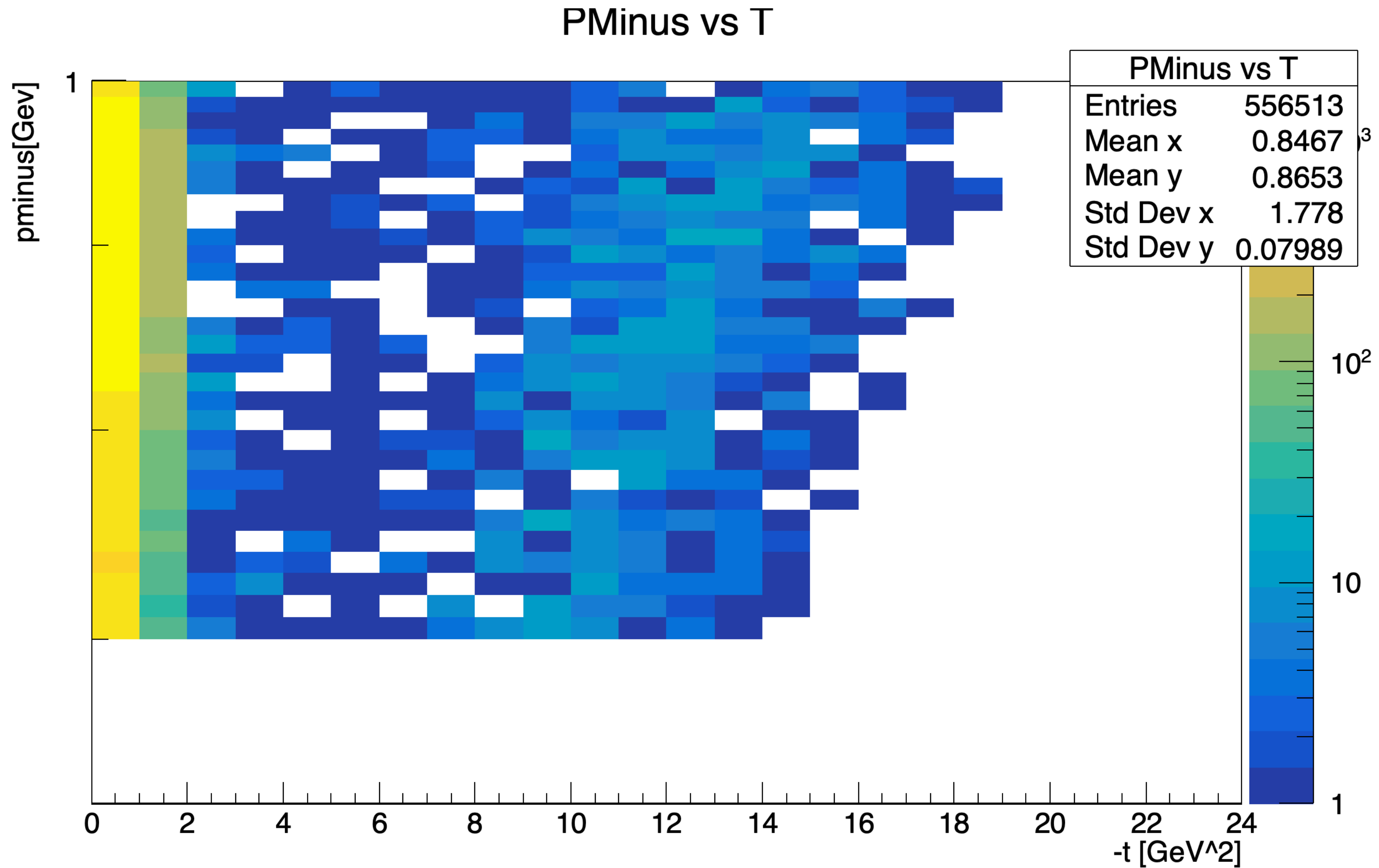


Helium (40% of Data)

Coplanarity vs PMinus



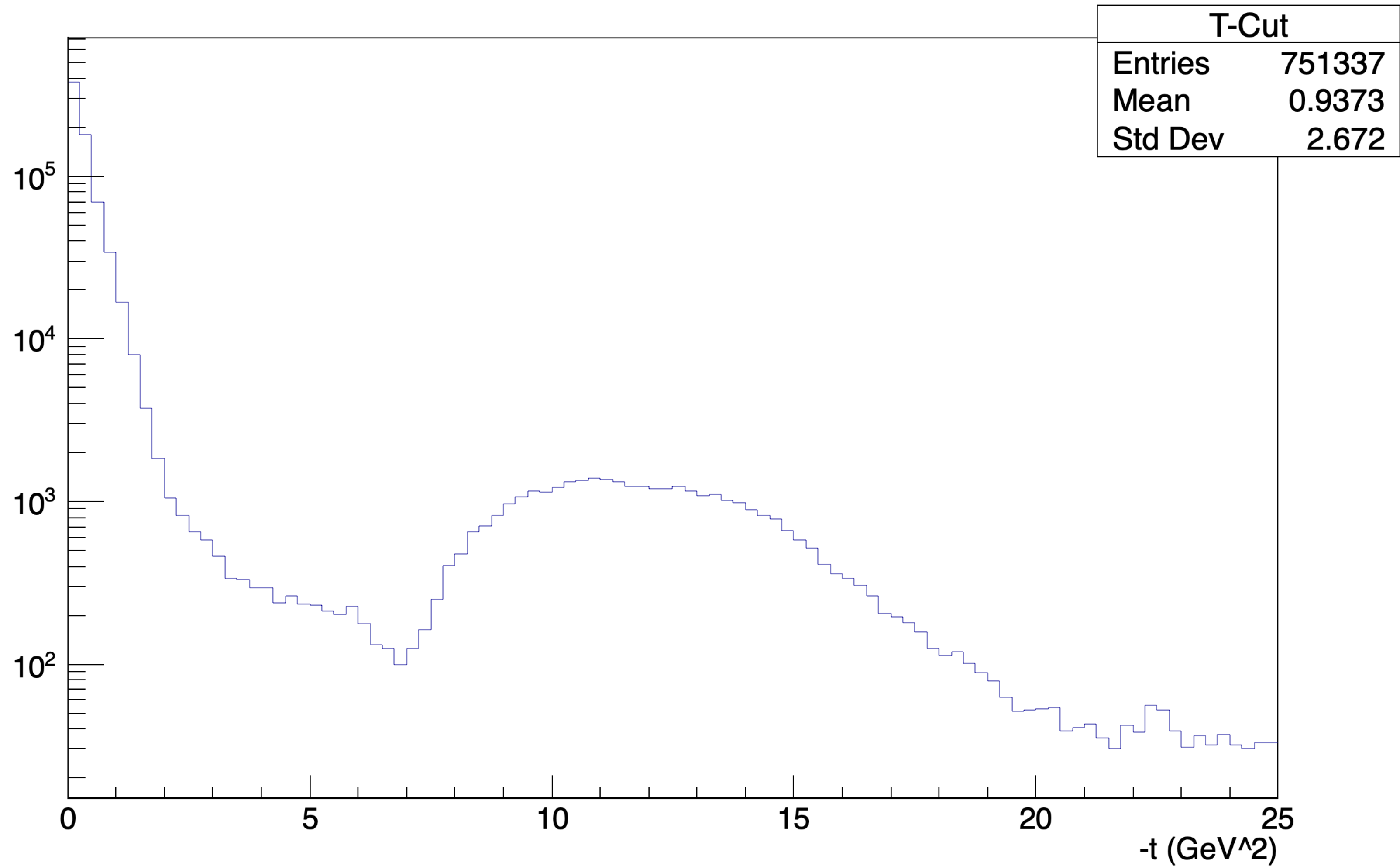
Helium (40% of Data)



Deuterium (40% of Data)

T Distribution

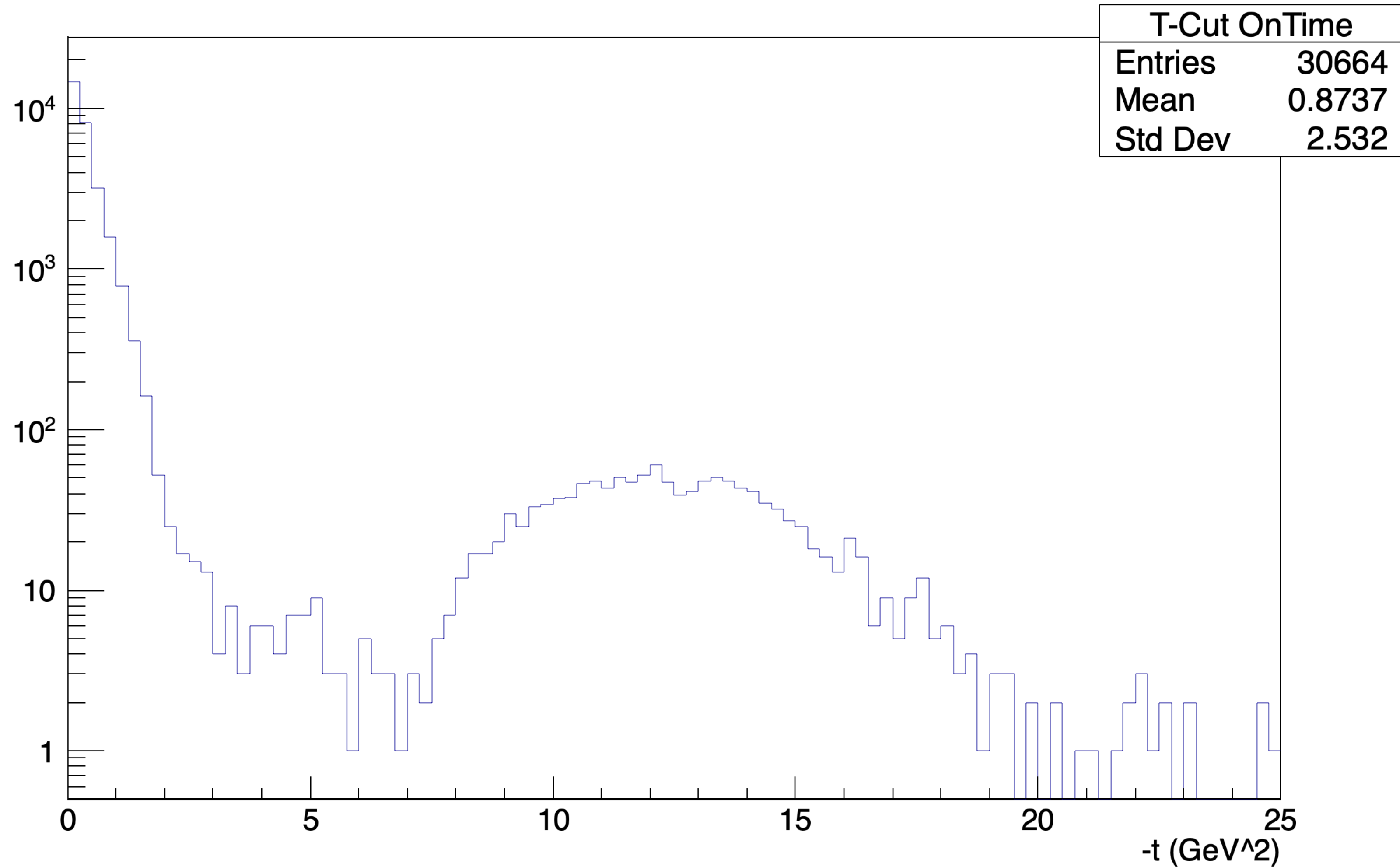
Beam Photons > 7 GeV



Deuterium (40% of Data)

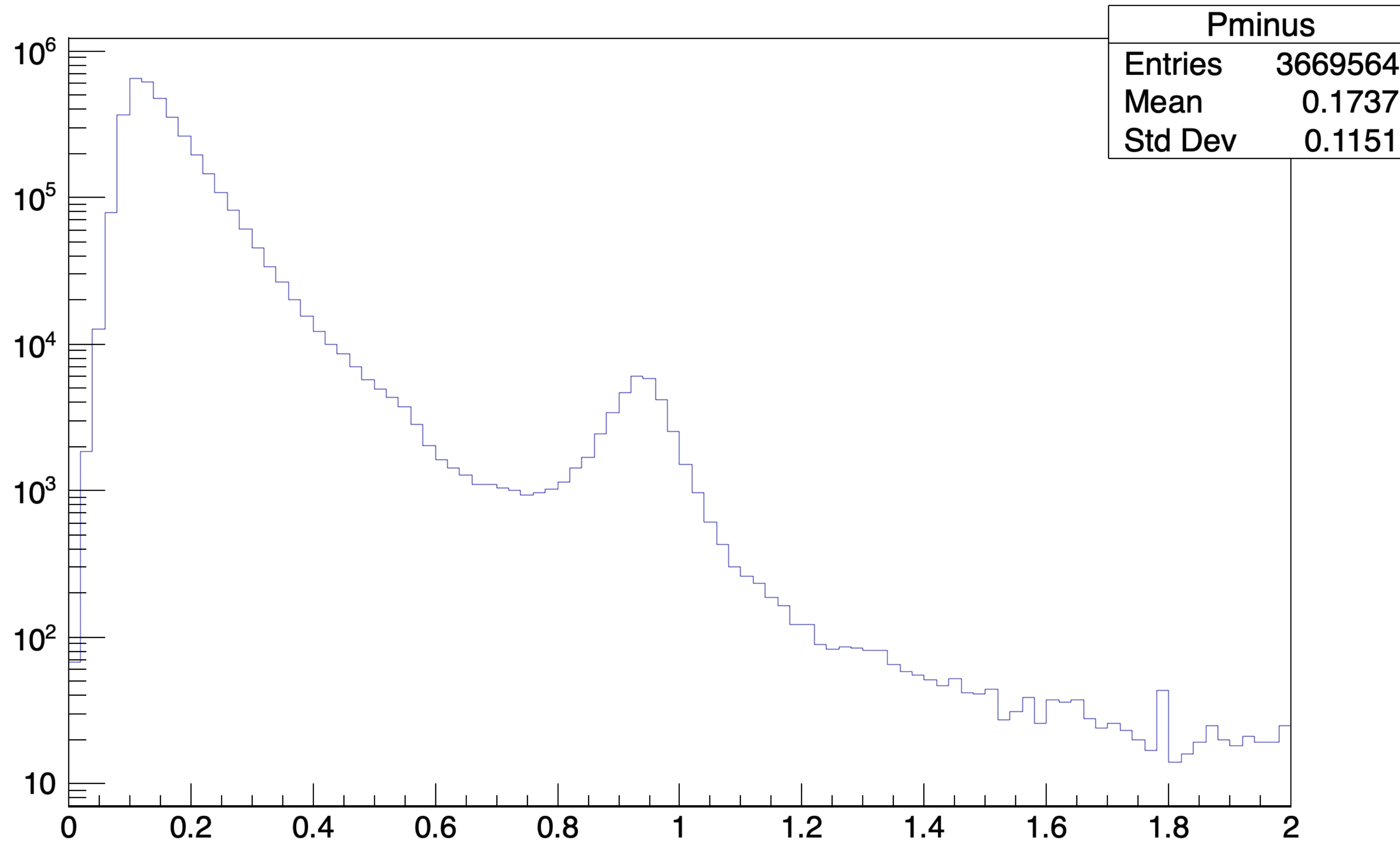
On-time T Distribution

On-Time



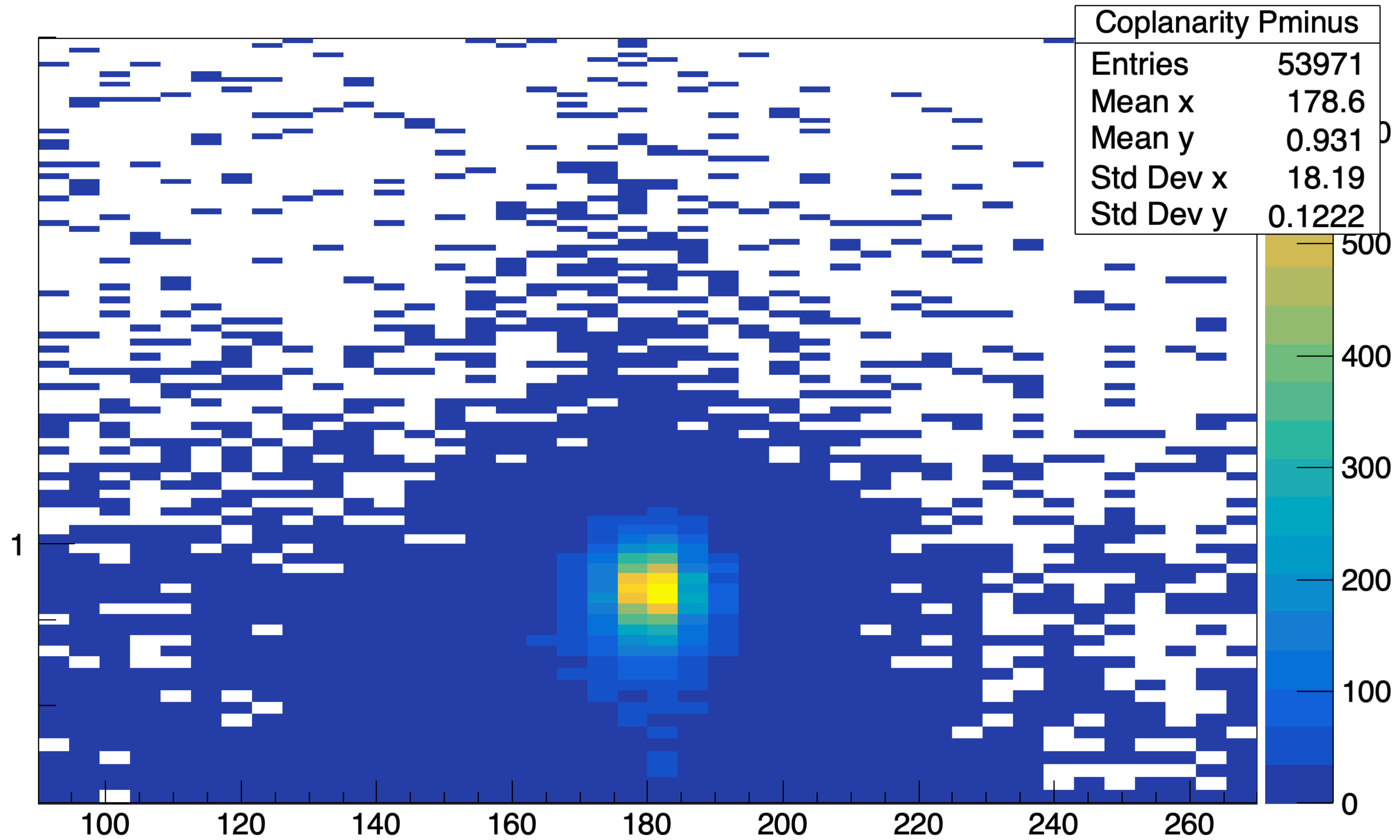
Deuterium (40% of Data)

PMinus Distribution

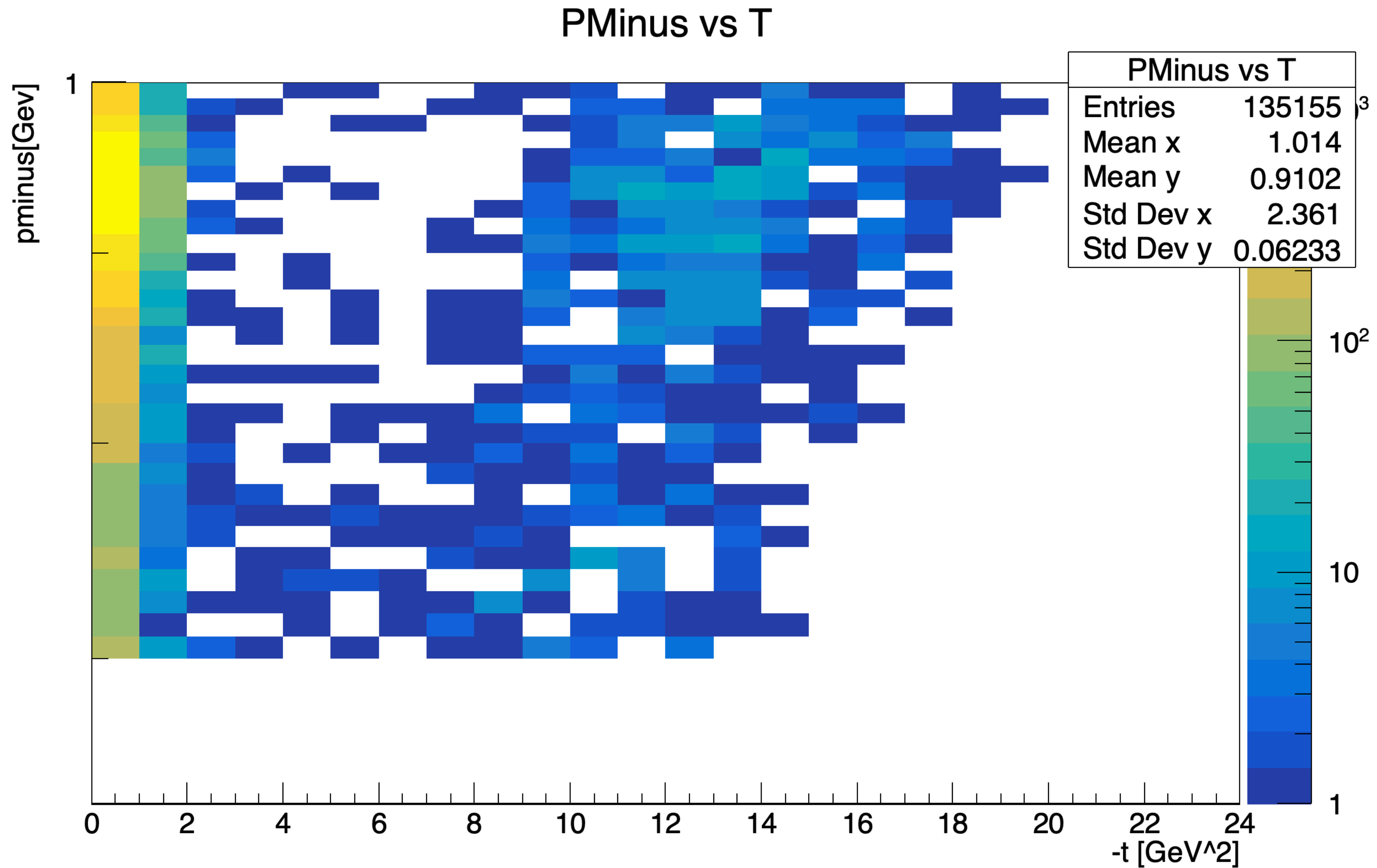


Deuterium (40% of Data)

Coplanarity vs PMinus



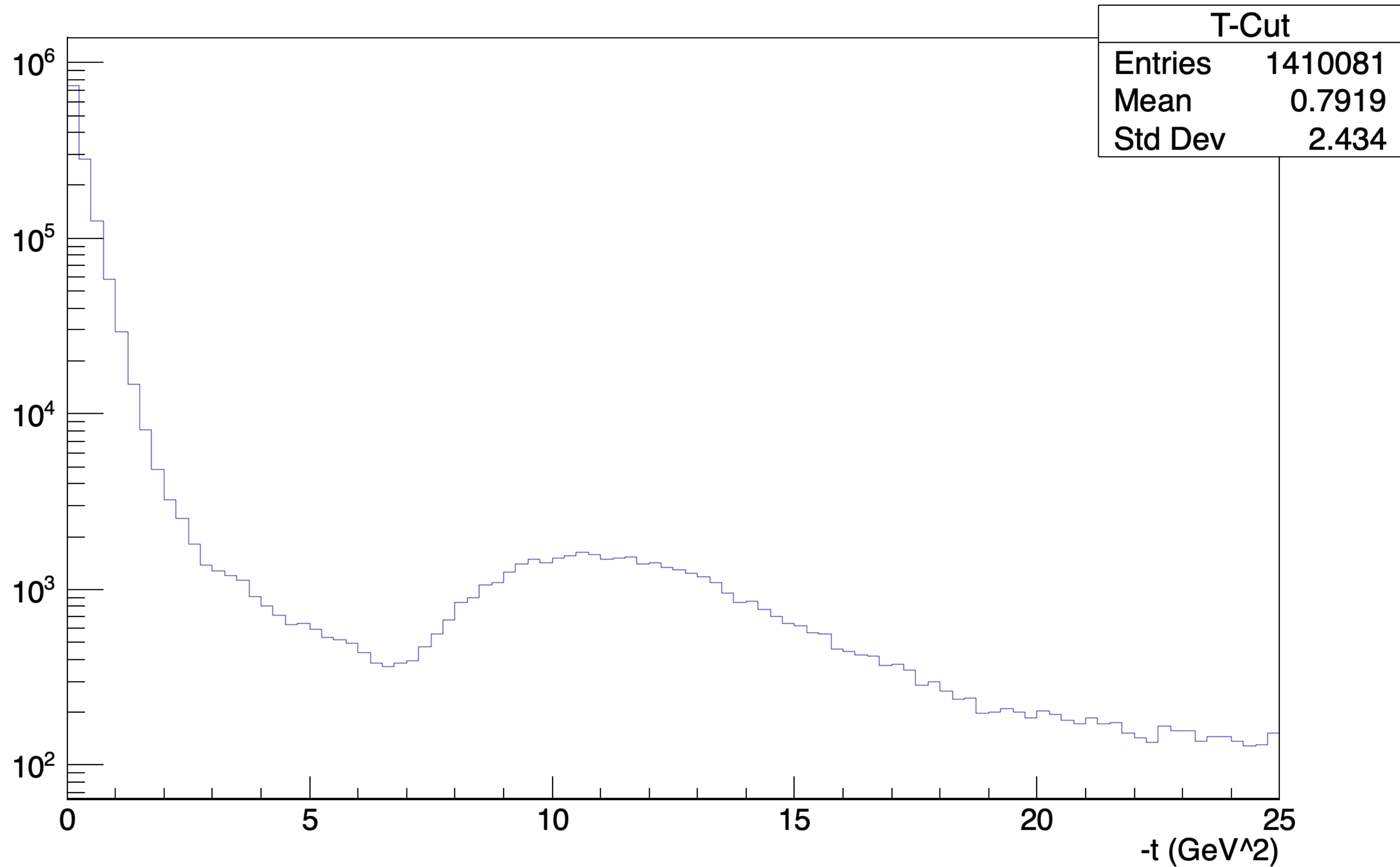
Deuterium (40% of Data)



Carbon (5% of Data)

T Distribution

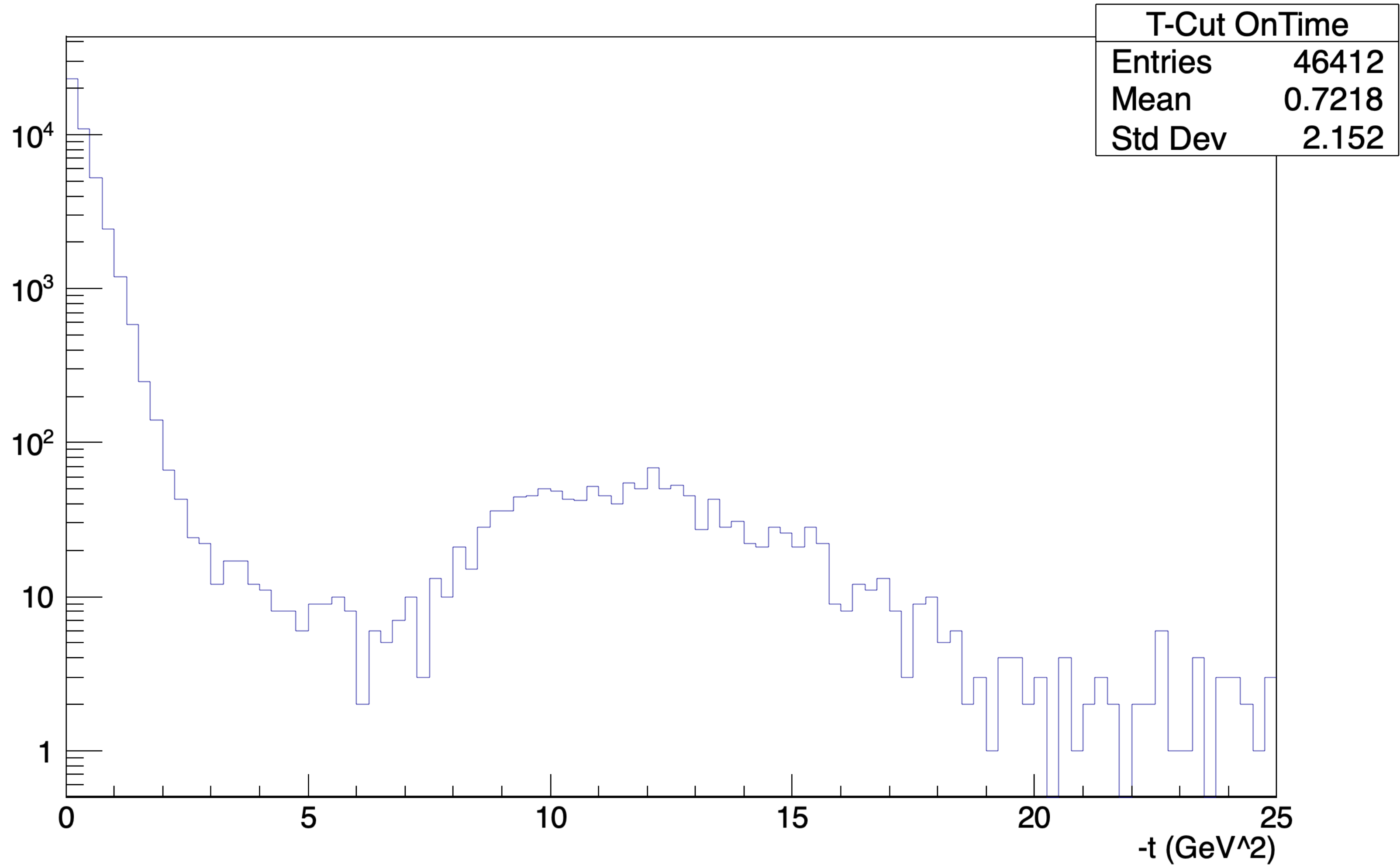
Beam Photons > 7 GeV



Carbon (5% of Data)

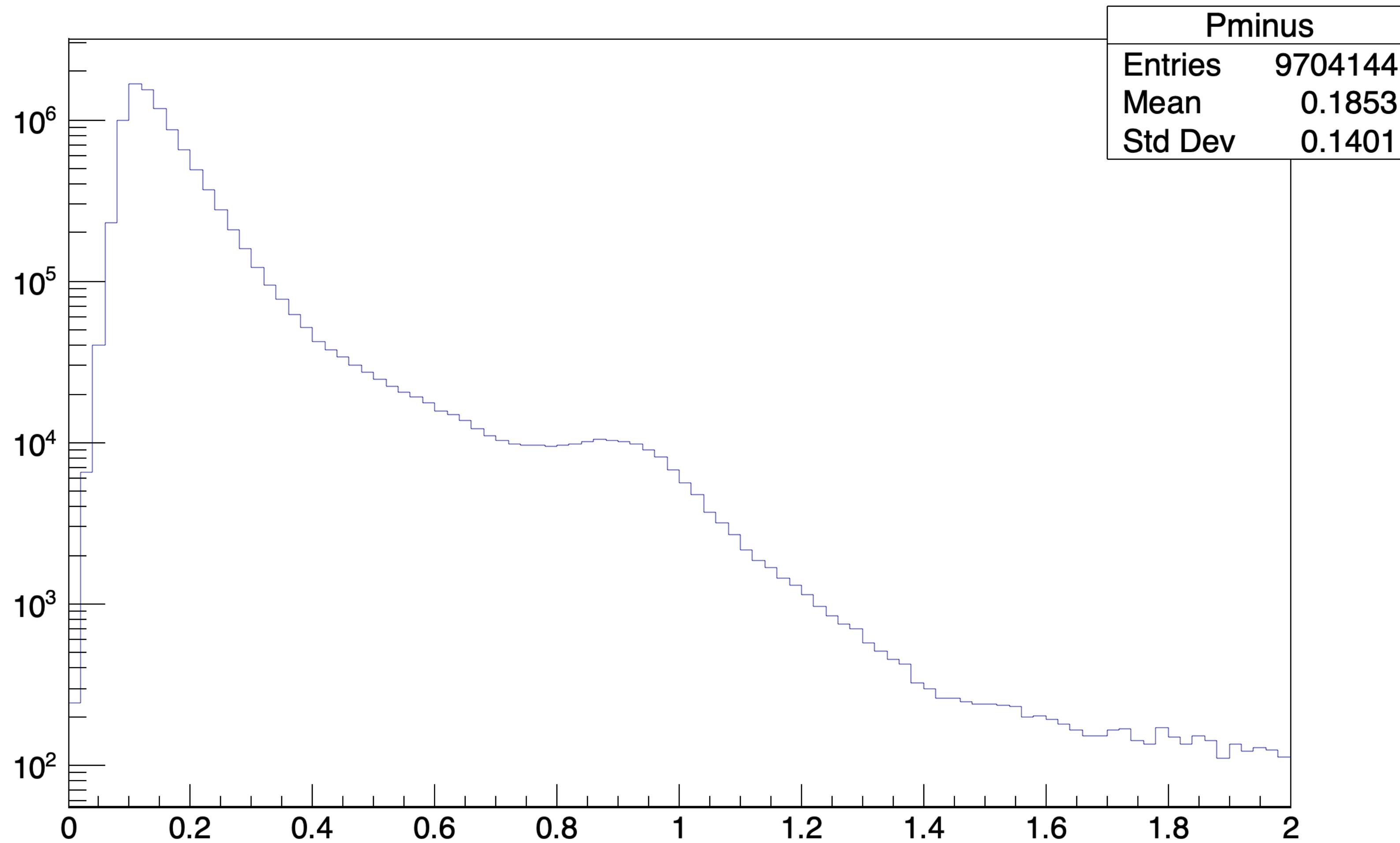
On-time T Distribution

On-Time



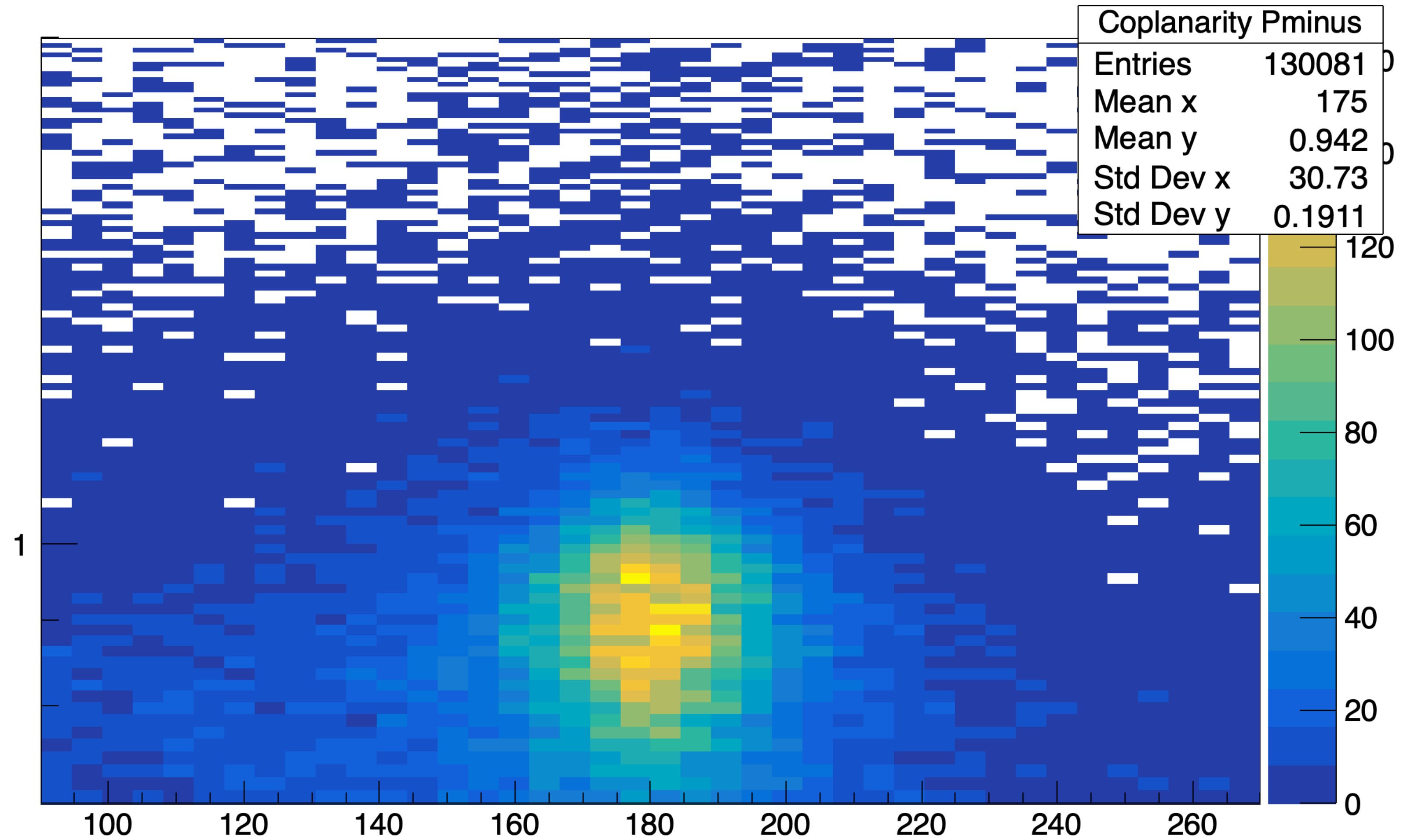
Carbon (5% of Data)

PMinus Distribution



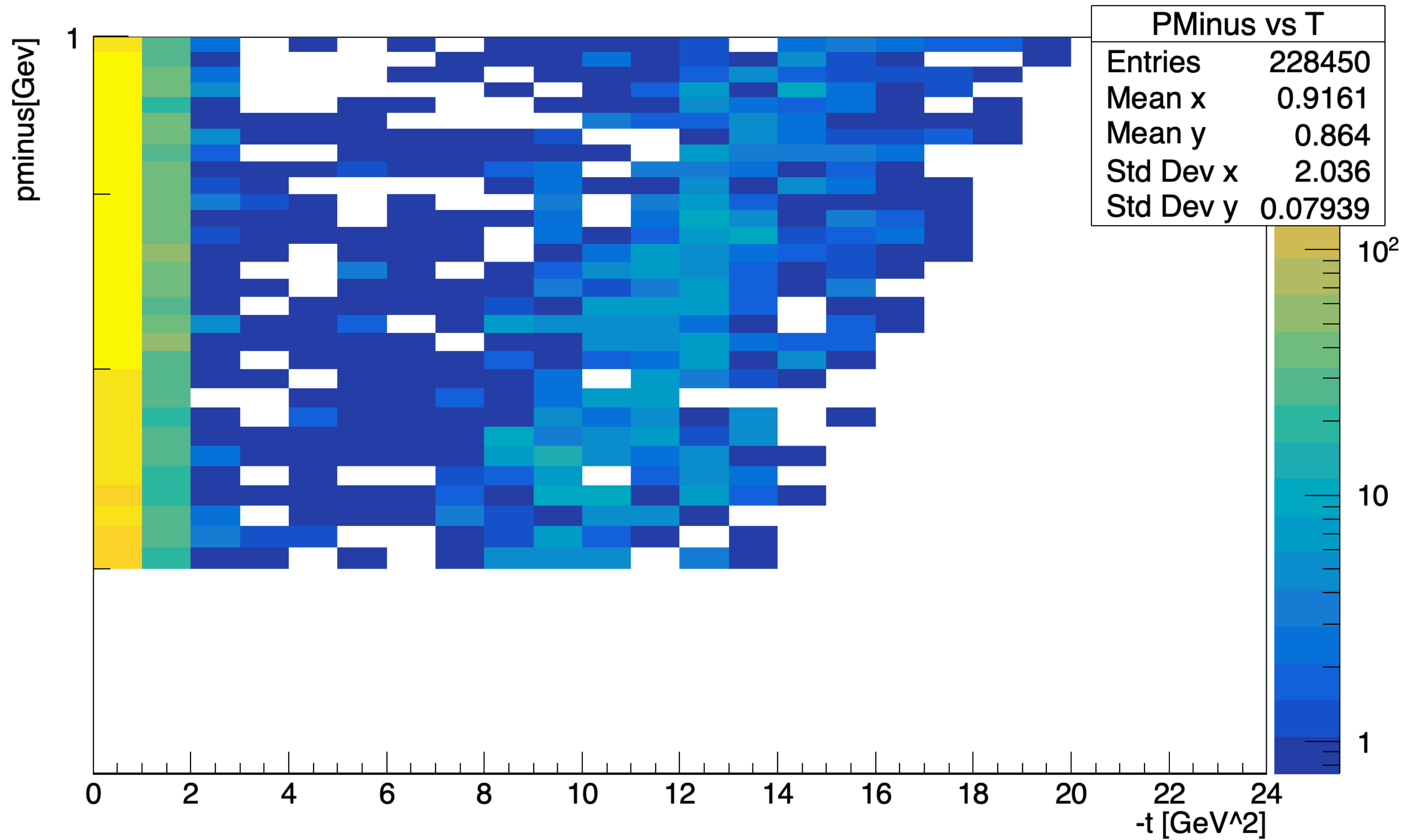
Carbon (5% of Data)

Coplanarity vs PMinus



Carbon (5% of Data)

PMinus vs T



To add

- Cuts:
 - PID cuts
- Plots:
 - T-distribution compared to simulation