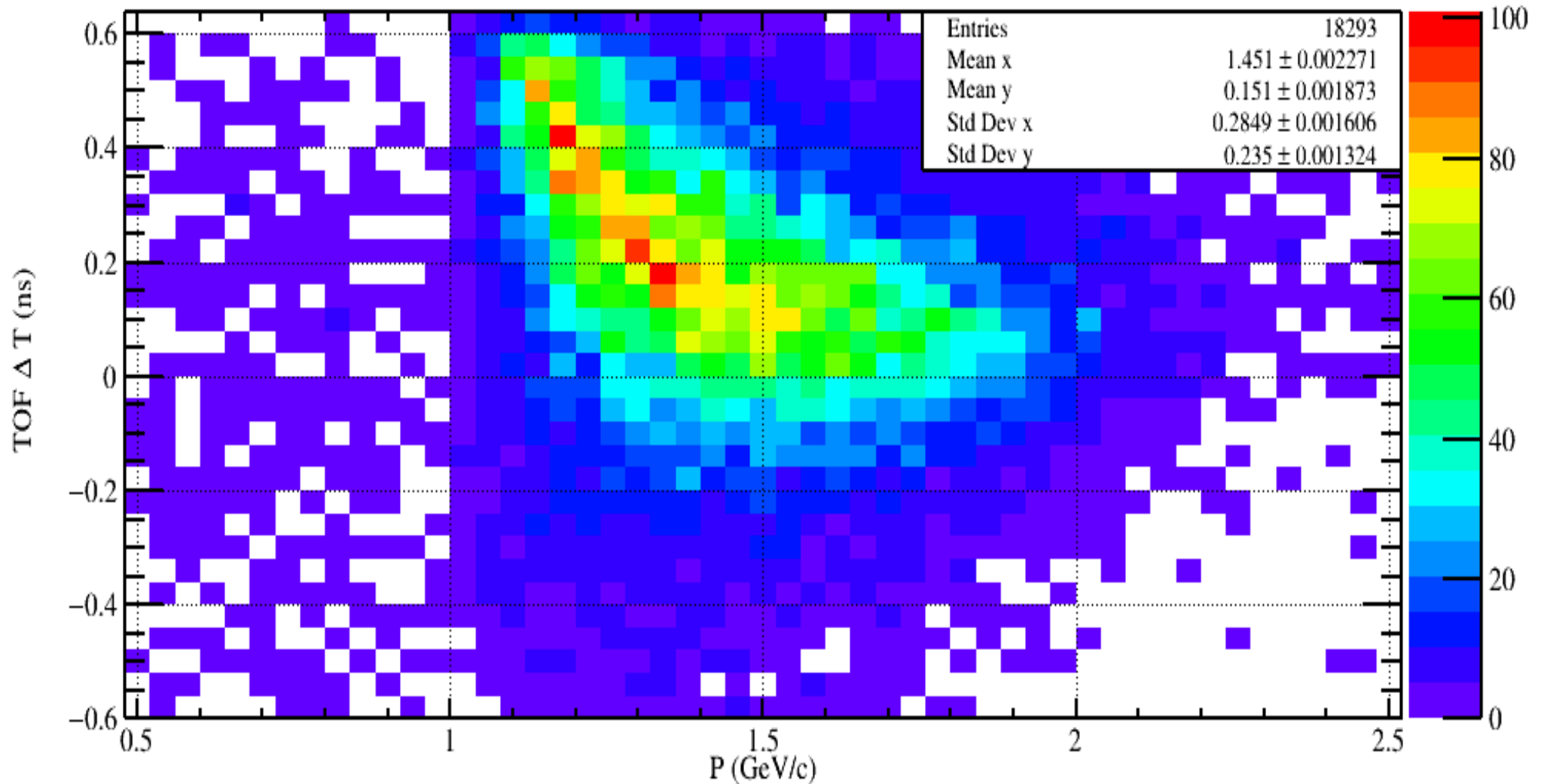


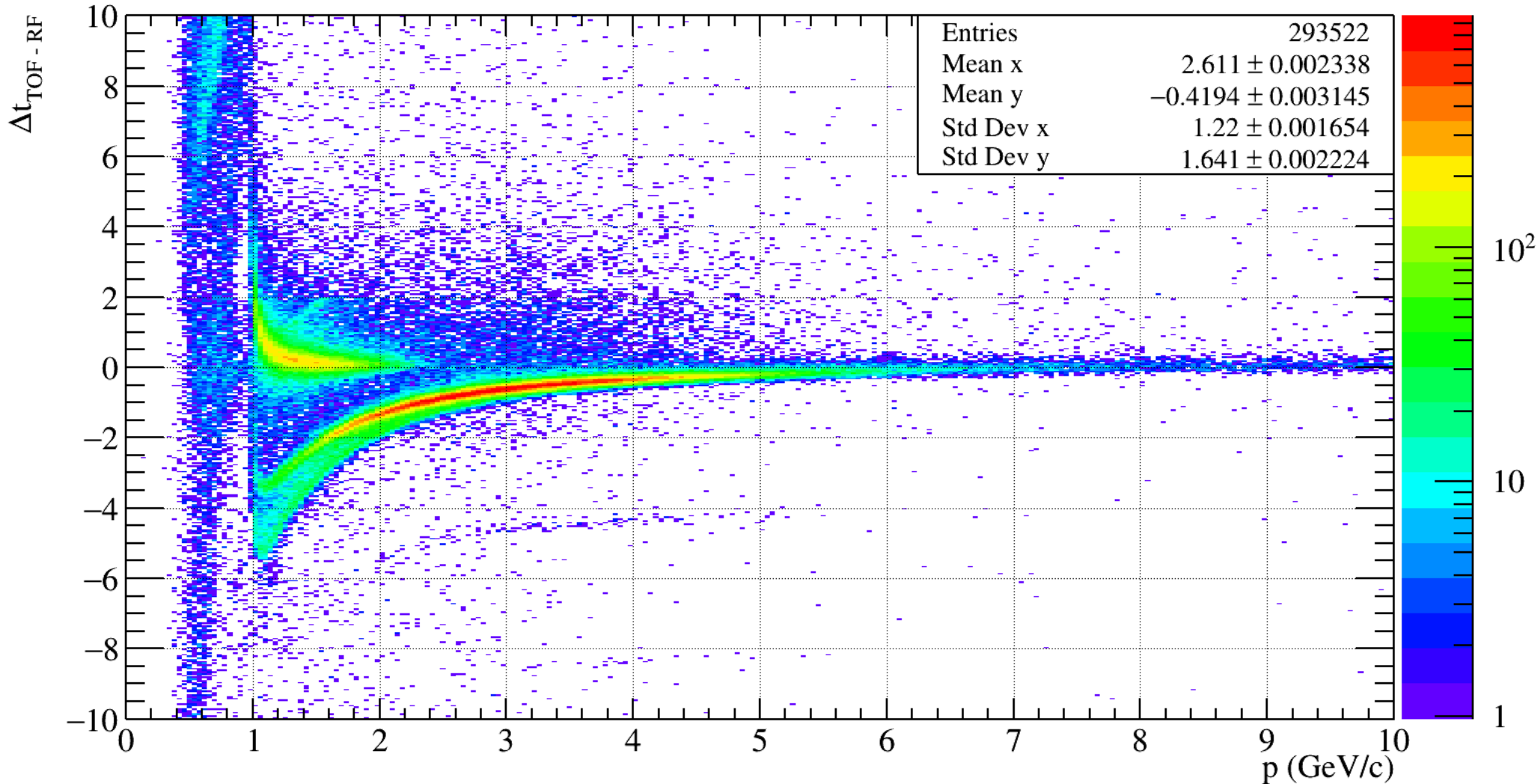
# 2017 MC: Delta T Vs P Proton (TOF) sim-recon 2.18 FSU

$\Delta T$  Vs P: Proton Timing in TOF (MC)



# 2018 MC: Delta T Vs P Proton (TOF) sim-recon 2.18 FSU

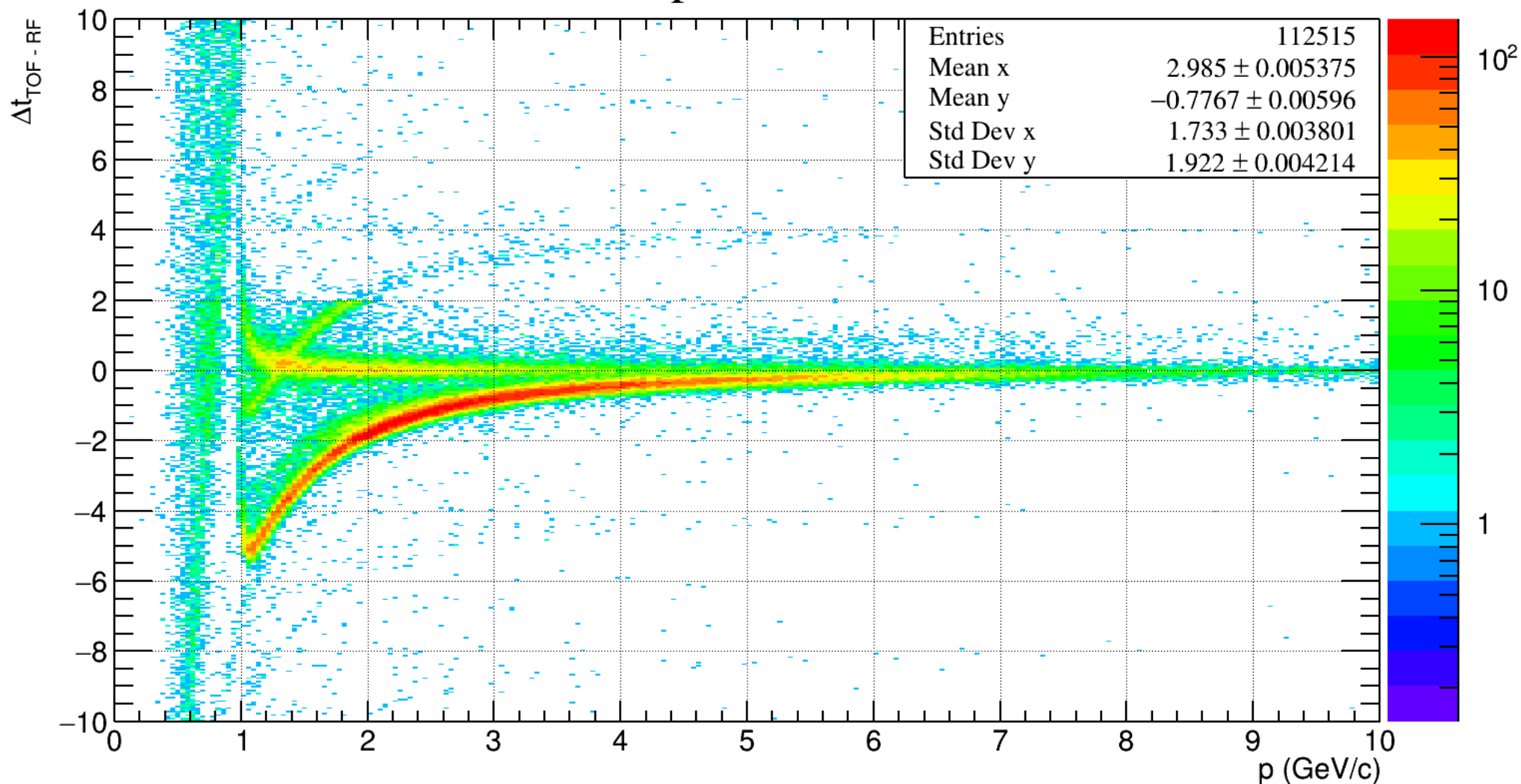
## TOF p Candidates



A new version of sim-recon was released last night at Jlab. So I ran over some 2017 data to see if anything would change.

# 2017 Data: Delta T Vs P Proton (TOF); sim-recon 2.23 JLab

## TOF p Candidates



- Procedure for producing these plots:

Run Experiment, and write raw data to evio files

Run reconstruction code (hdgeant) and produce REST files (hddm)

Run Plugins over REST files to produce hd.root plots that you have been shown

What this tells me:

The latest software release does not fix the plots at the plugin level.

The issue must be coming from the REST files. Therefore we need to reconstruct the data again with the latest software release.

## Plan of Action:

Install sim-recon 2.23 at FSU (in progress)

Test the new sim-recon/reconstruction at Jlab over one 2017 raw data file to see if plots will be fixed (in progress)