

# FTBF Data Analysis Update

Biweekly DAMSA Update - 4/15/2025

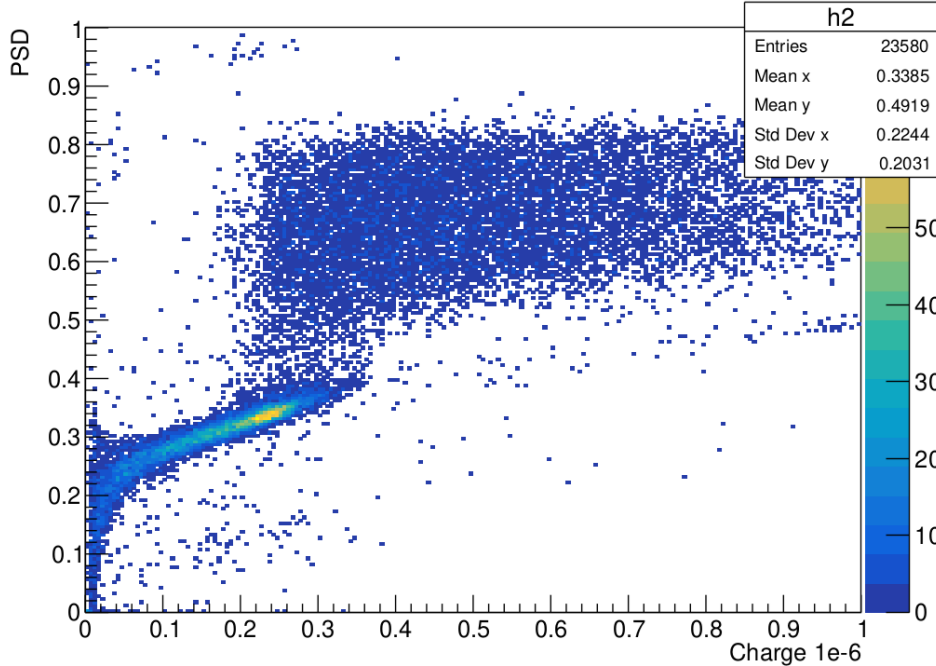
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**Brad Brown**

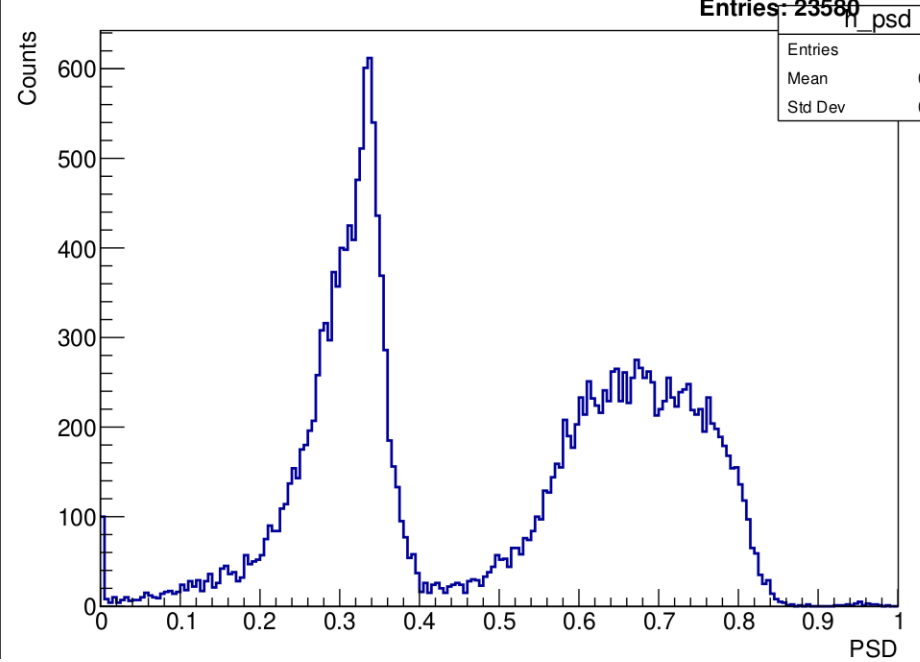
Head Lab Manager - Intensity Frontier Neutrino Group

# Results From Last Meeting

PSD vs Charge for RUN19 Detector 2

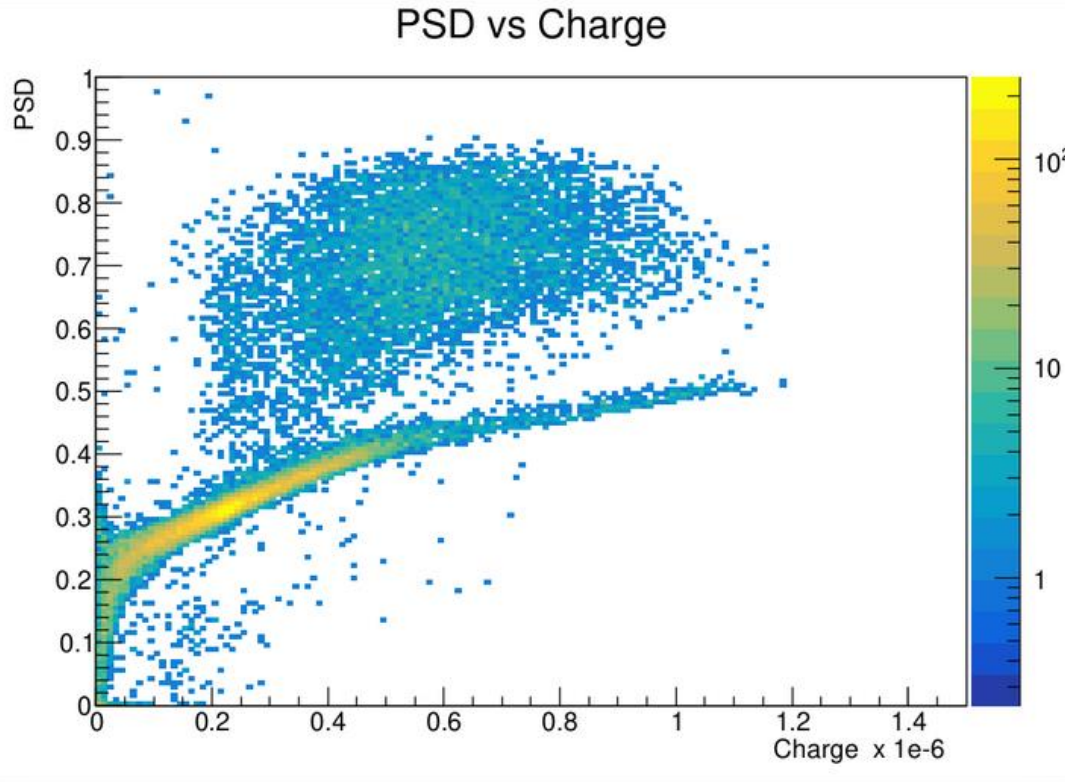


PSD Distribution

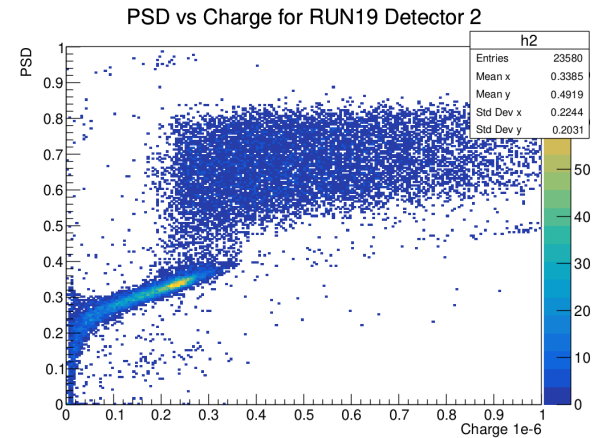


# Results from Last Meeting Cont.

- Previous code used the following:



threshold  
offset of 270 bin  
full  
used by truncation of the

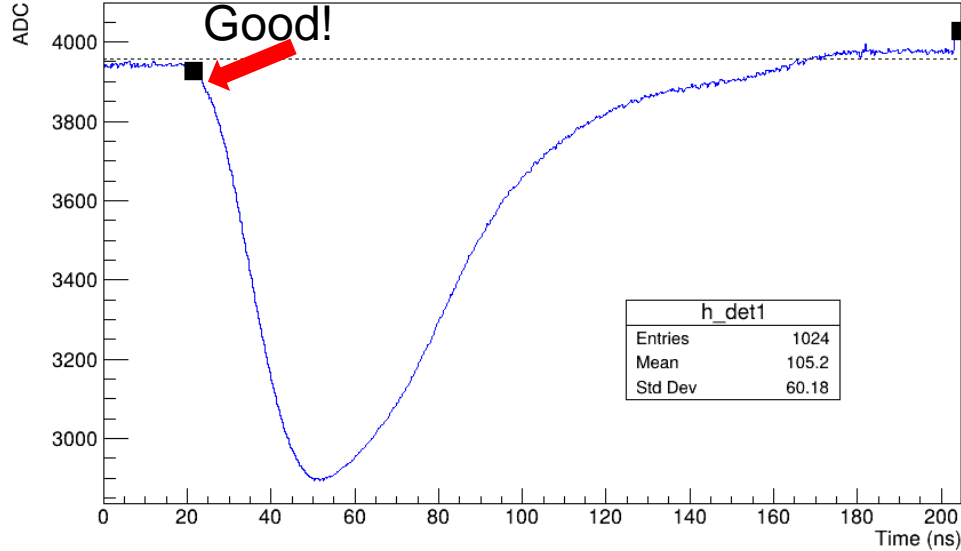


# New Plan

- Check if our start, end, tail bins are being placed properly by looking at individual waveforms from plotter code
- Adjust these values based on observations from plotter code
- Redo plots after modifying the integration bounds

# Some Individual Waveforms

Waveform - Event 7



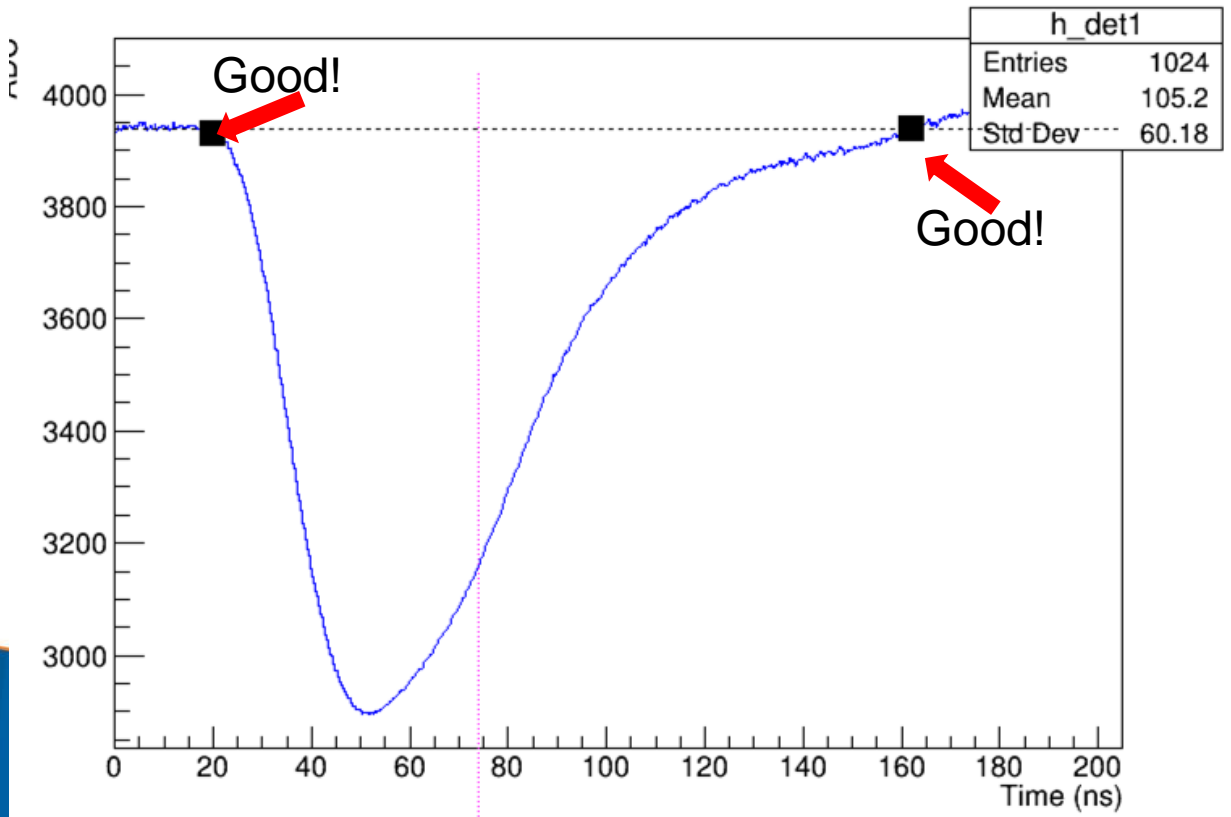
Bad!

- Instead of end bin hardcoded at 1024 implement a similar ADC threshold as done in start bin

Previous Event | Next Event |  | Go | Exit

# New Results

Waveform - Event 7



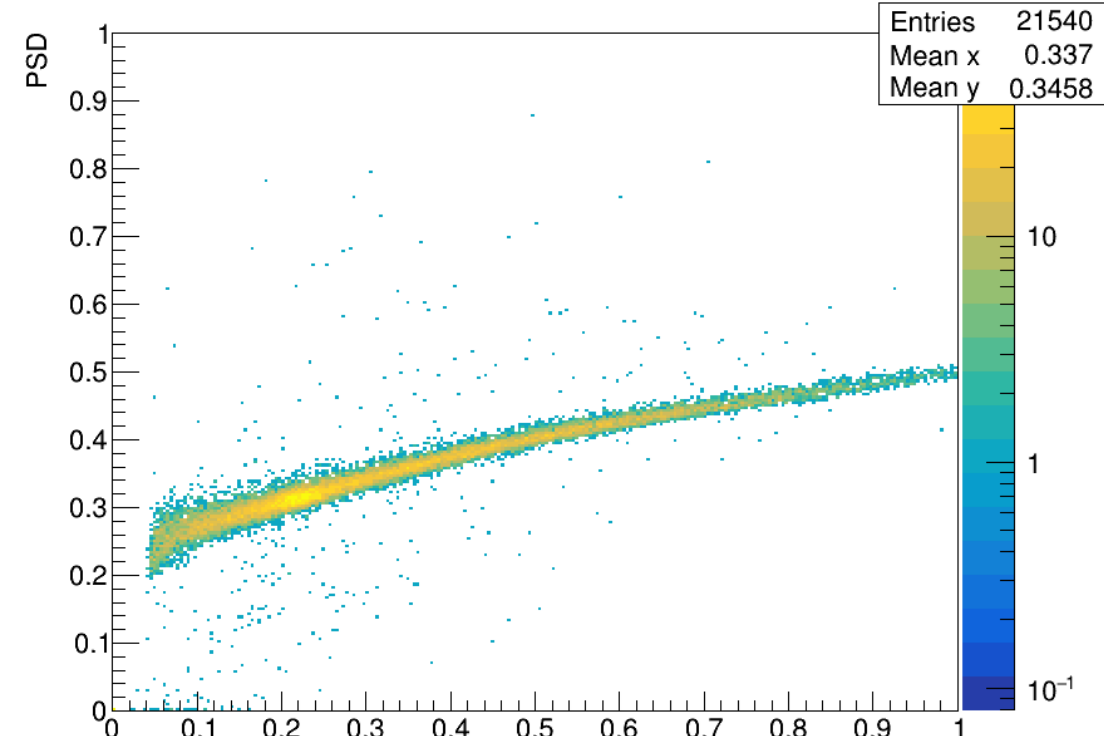
- Start/end bin is better!
- New pink line marks the tail start

# New Results

File Edit View Options Tools

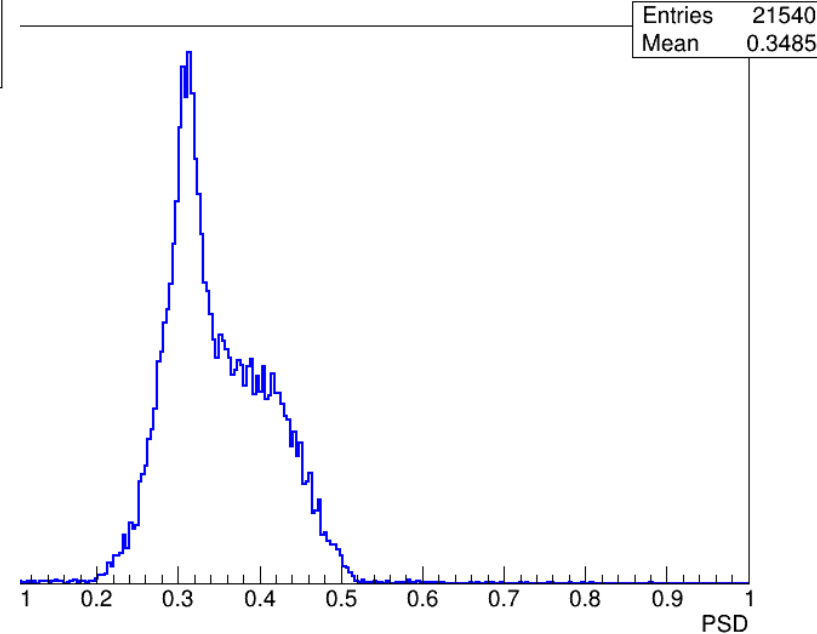
Help

## PSD vs Charge, Run 19, Detector 2

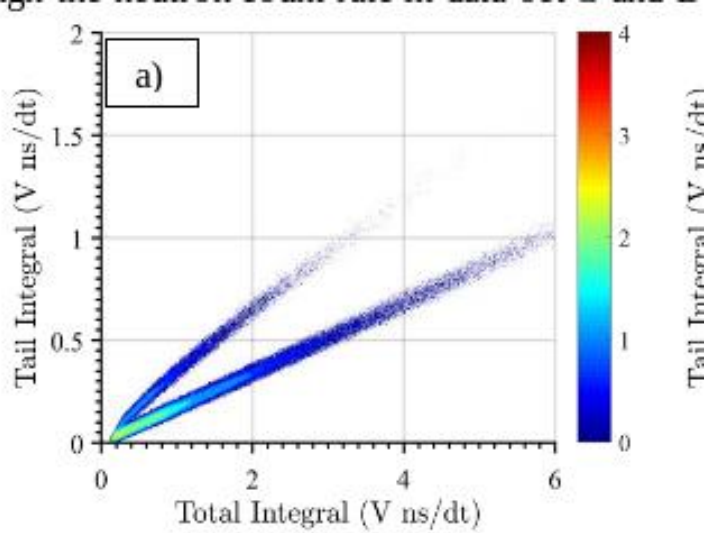


ptions Tools

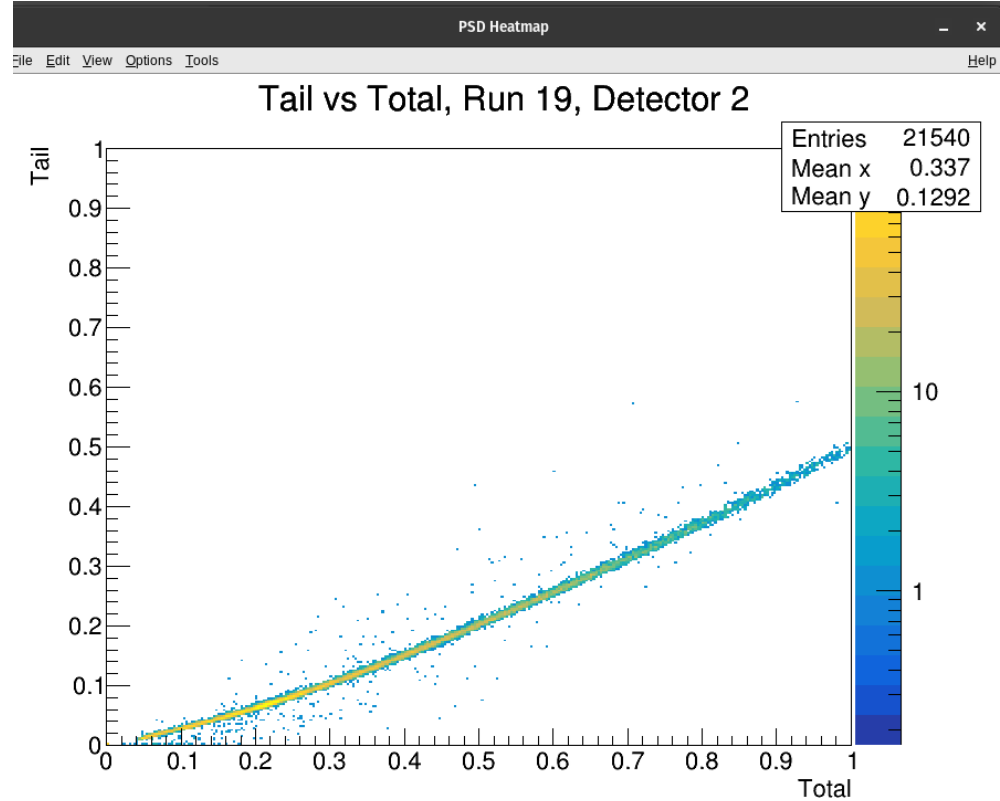
## PSD Distribution Run 19, Detector 2



# New Results



From a [paper](#) using Cf-252





**Questions?**