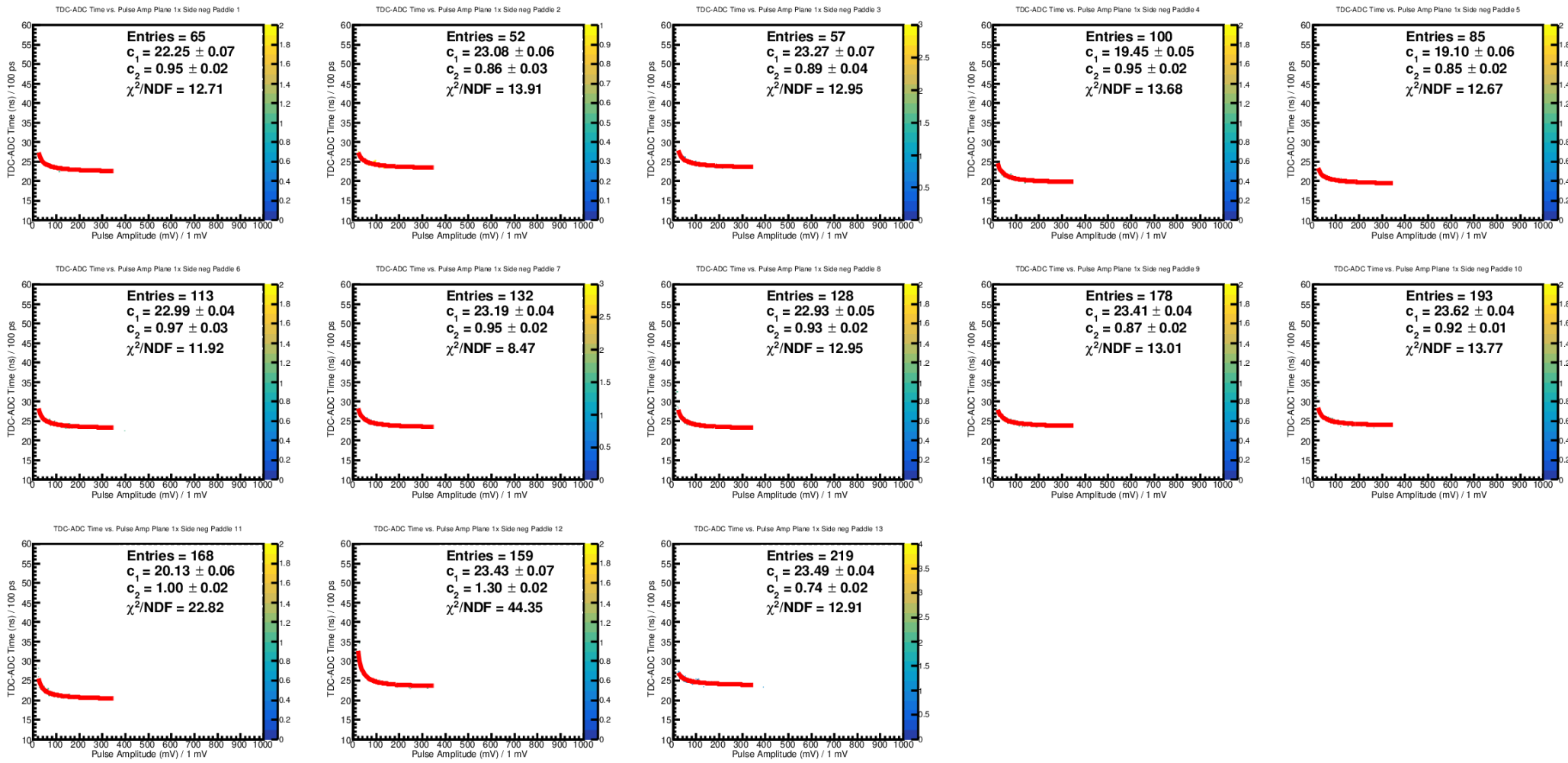


Hodoscope Calibration

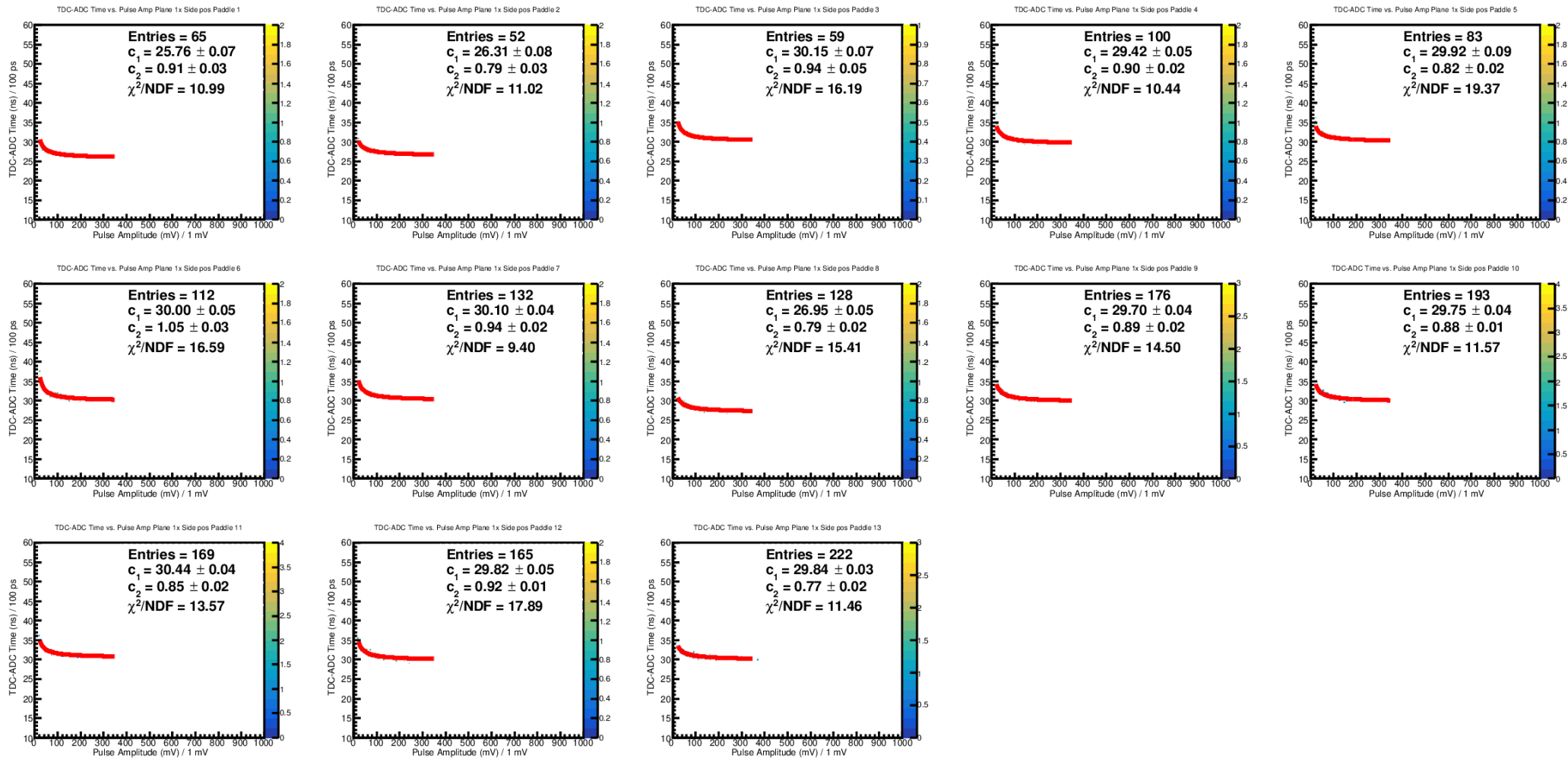
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :1xNeg

Hodoscope Calibration

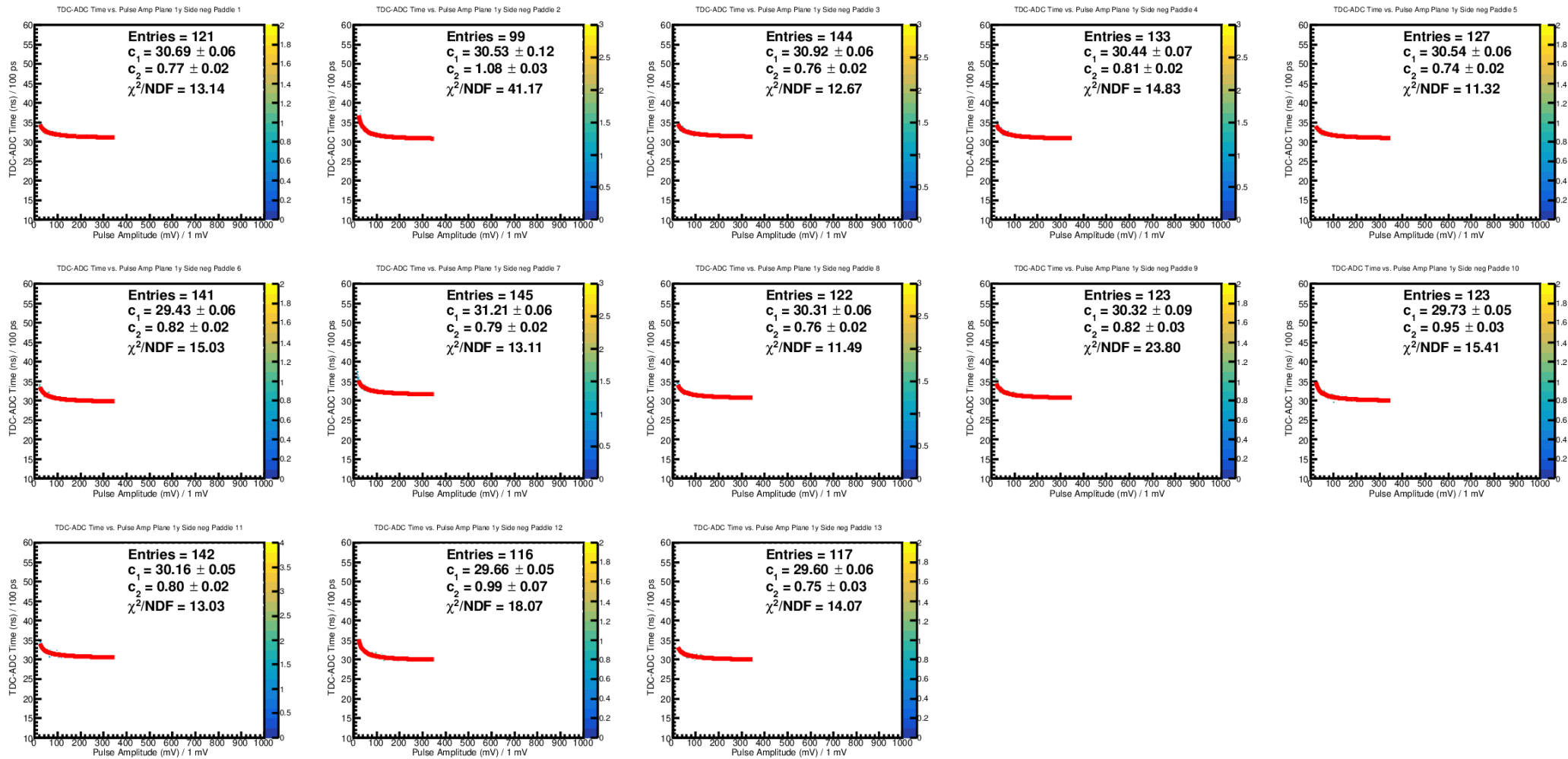
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :1xPos

Hodoscope Calibration

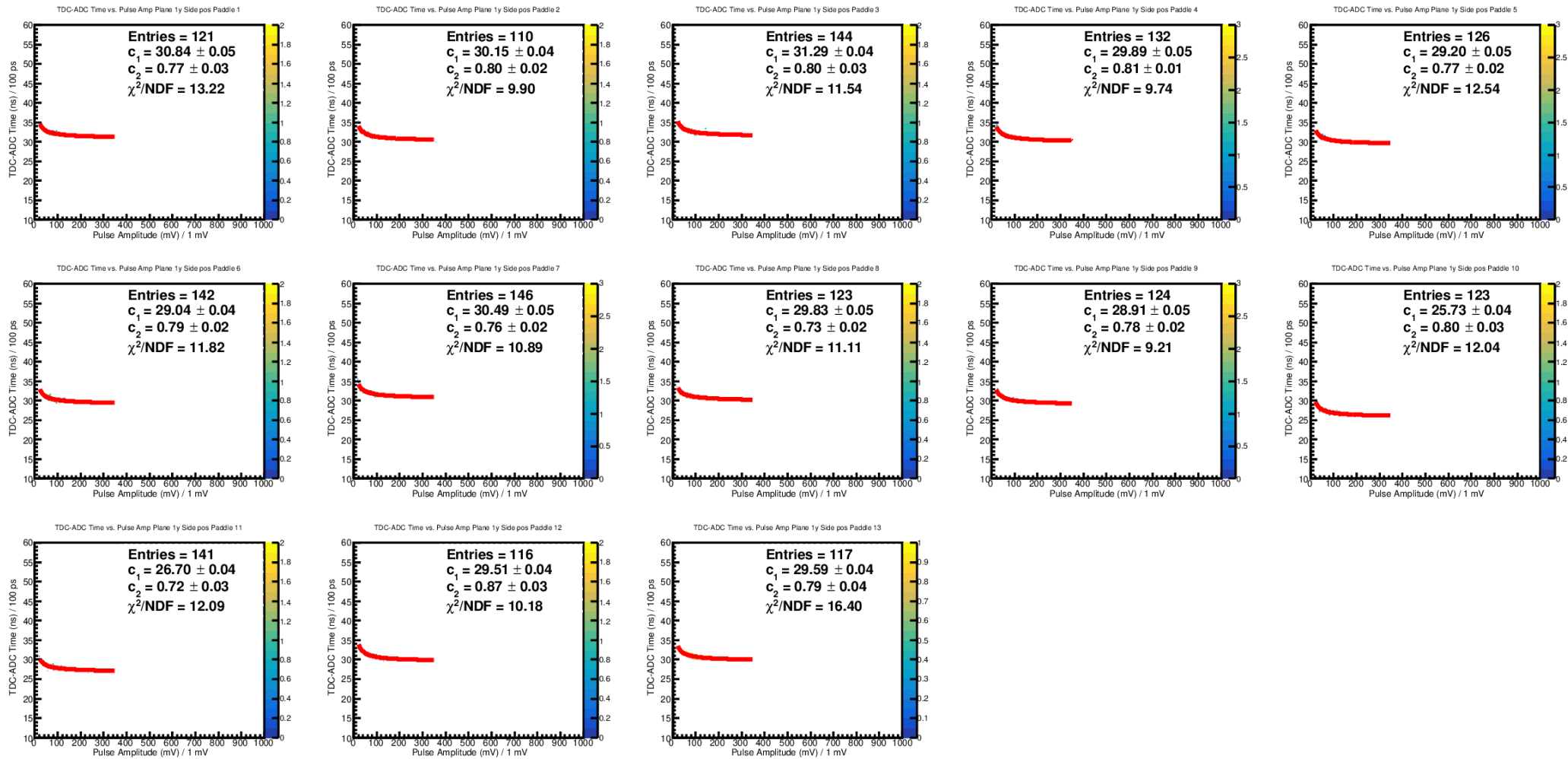
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :1yNeg

Hodoscope Calibration

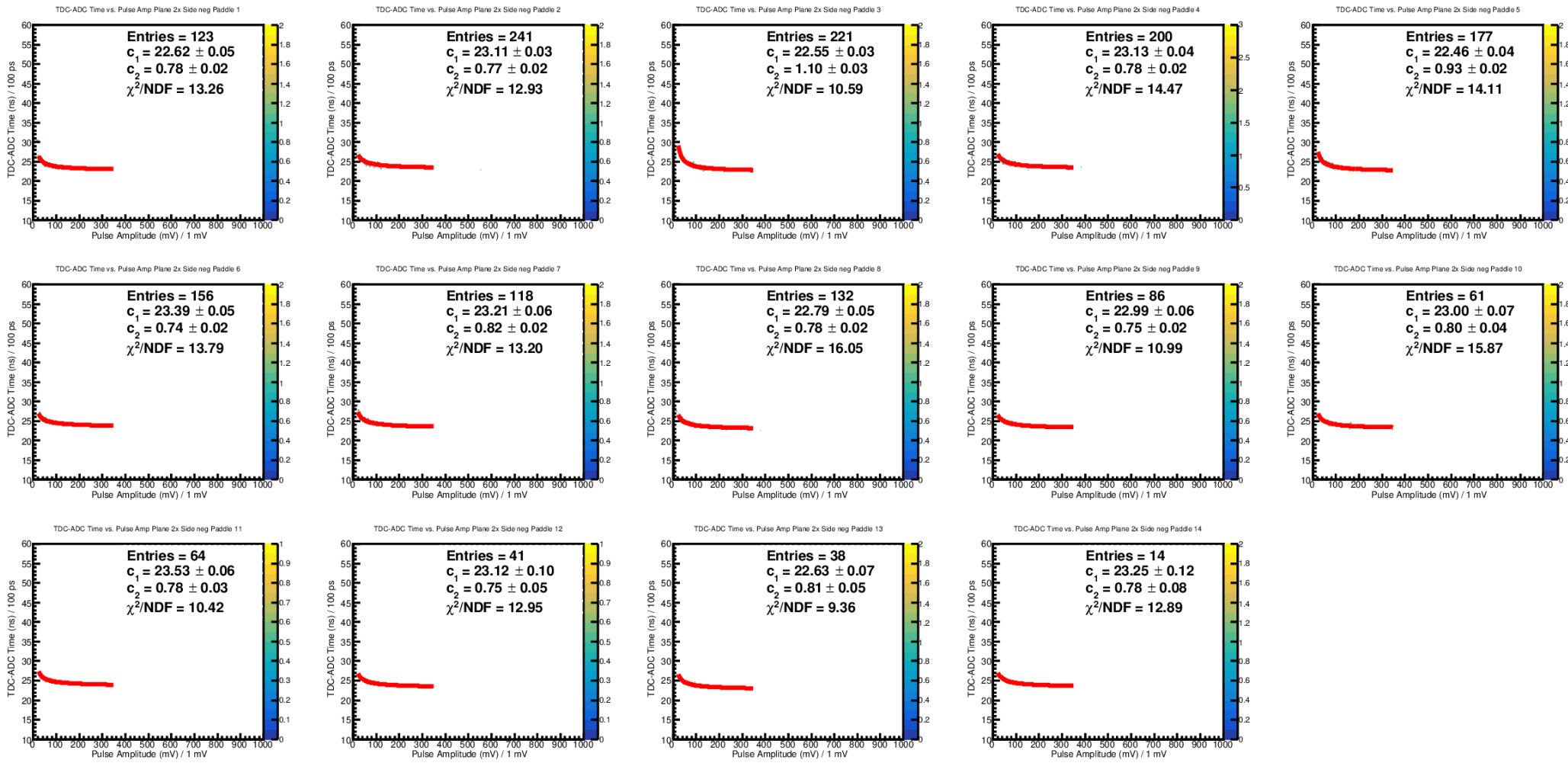
- SHMS 10604: cosmic run
- $E_p = 3.4$ GeV, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :1yPos

Hodoscope Calibration

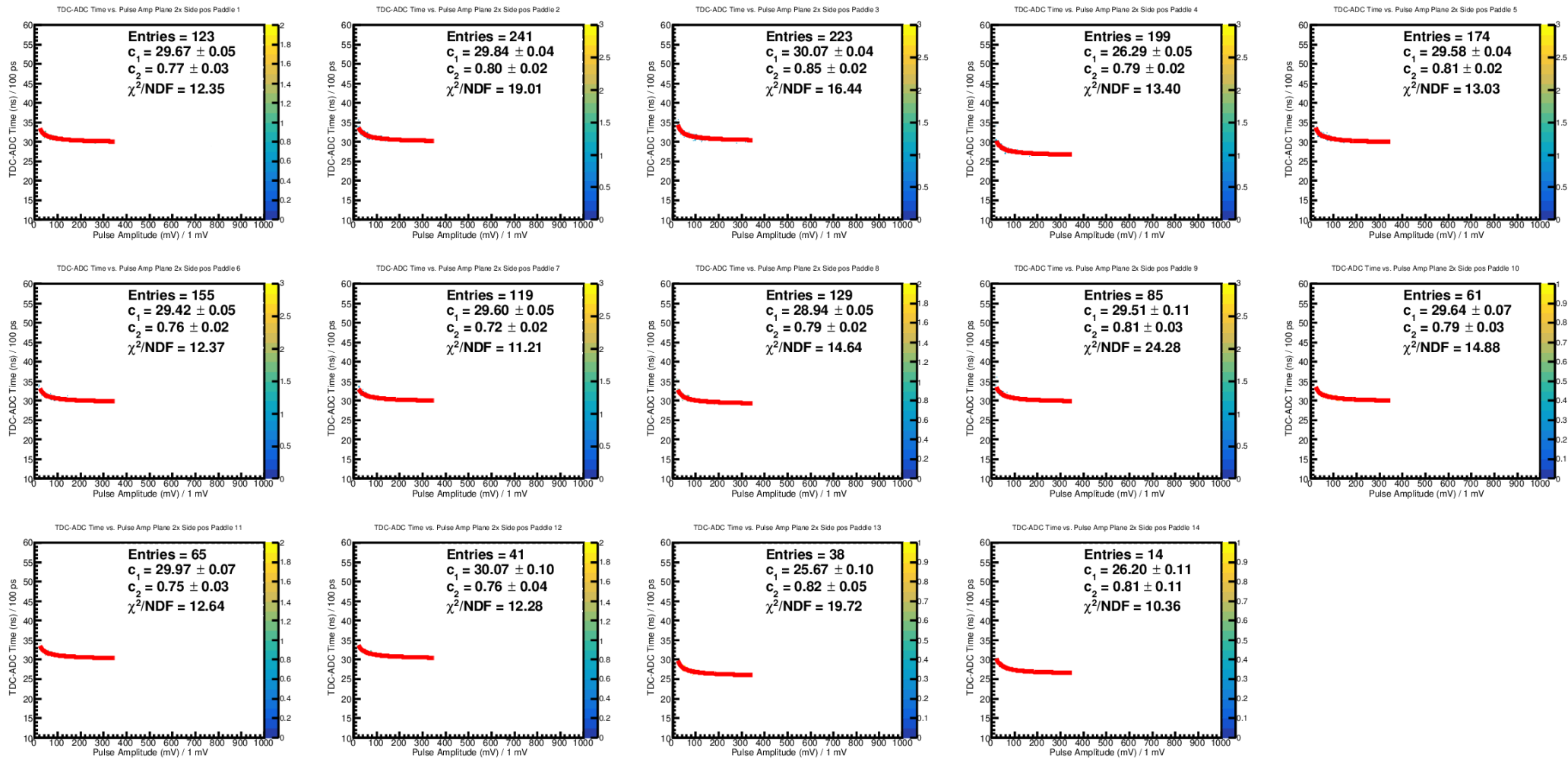
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :2xNeg

Hodoscope Calibration

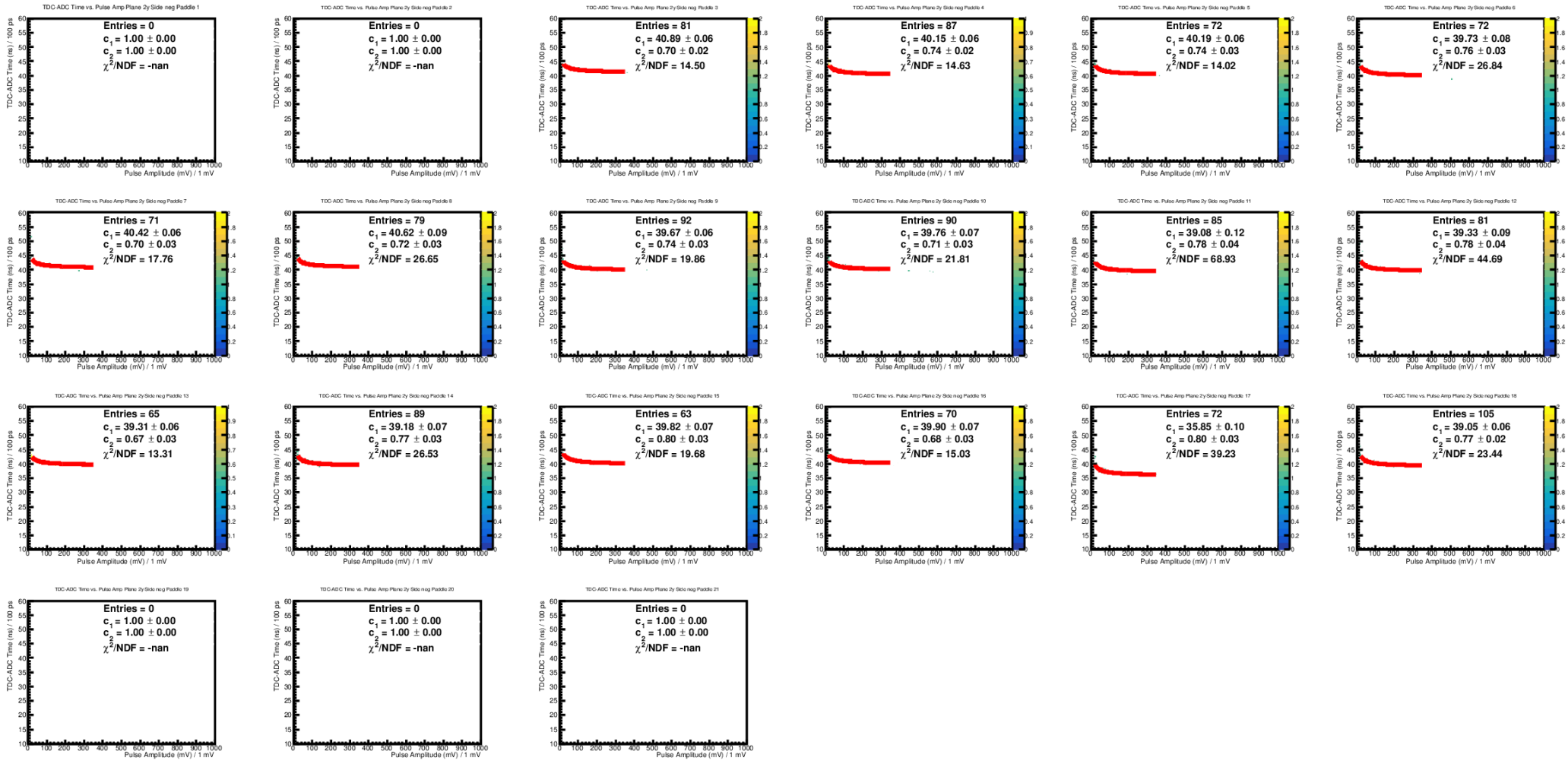
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :2xPos

Hodoscope Calibration

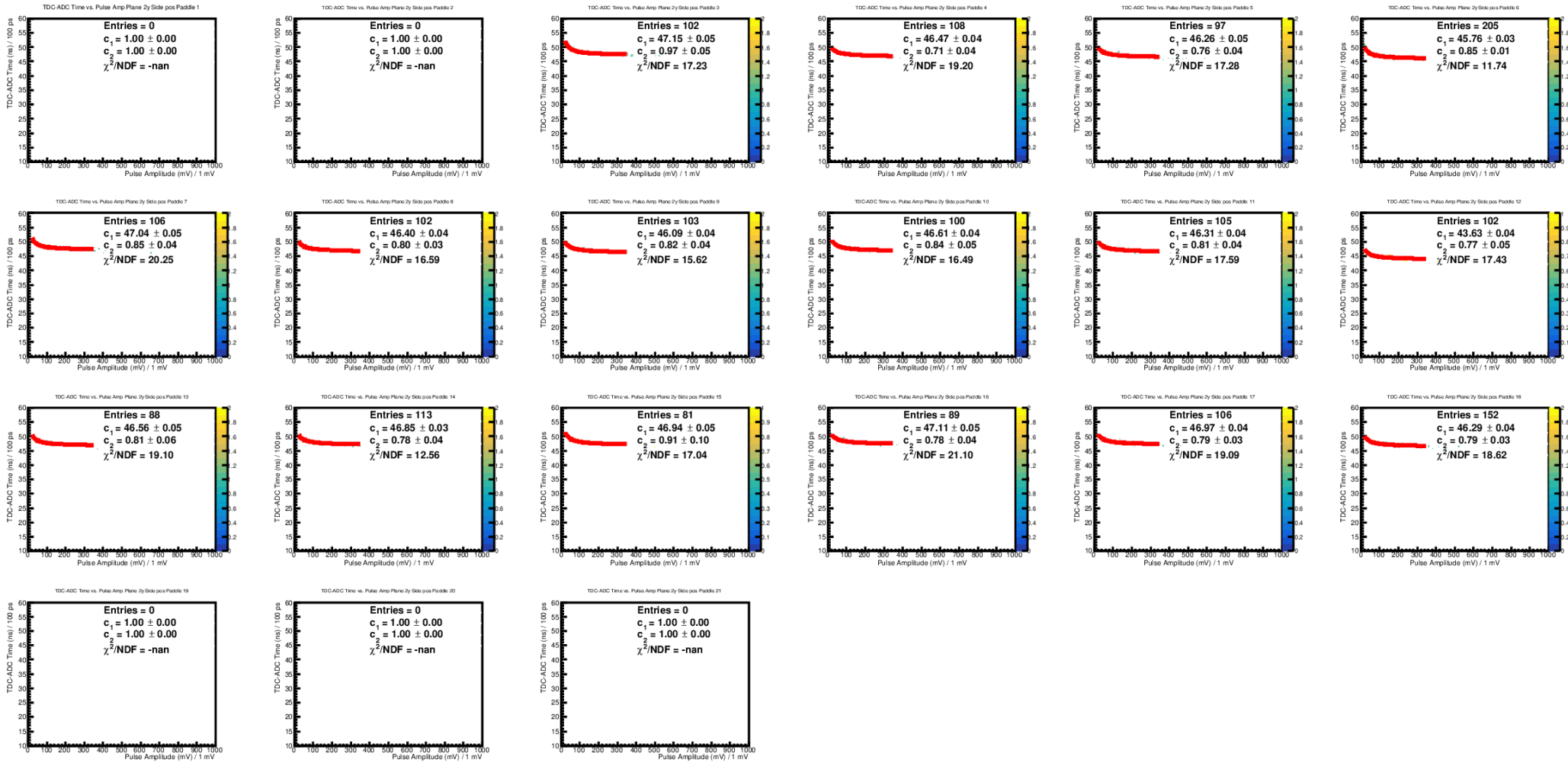
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :2yNeg

Hodoscope Calibration

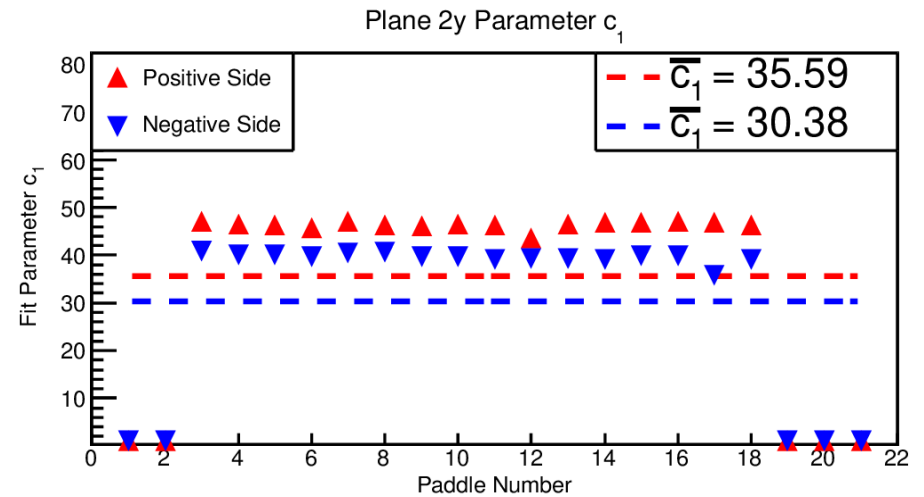
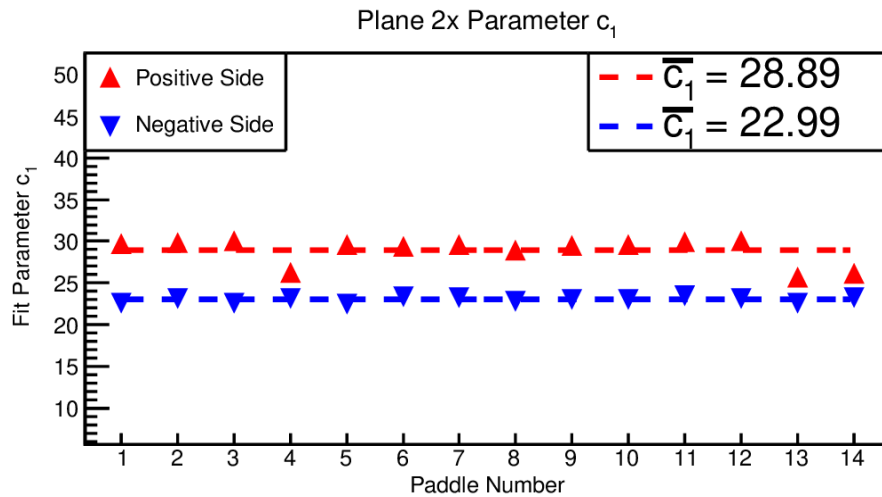
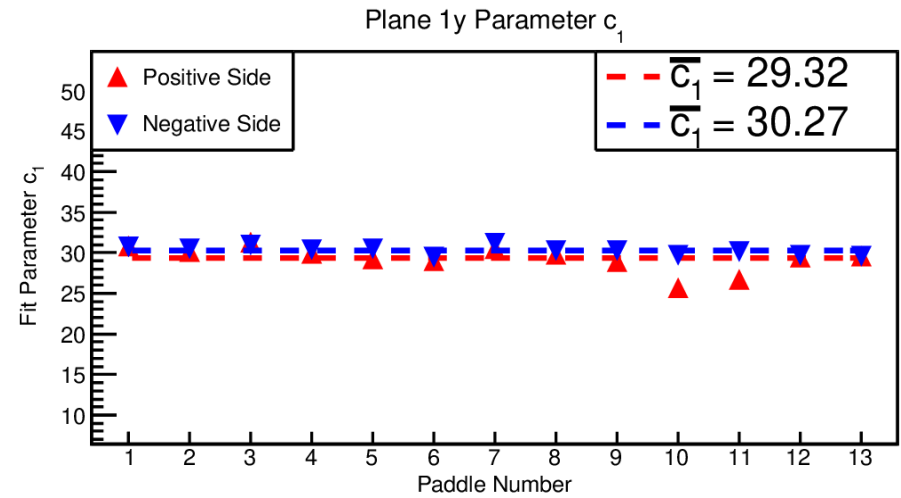
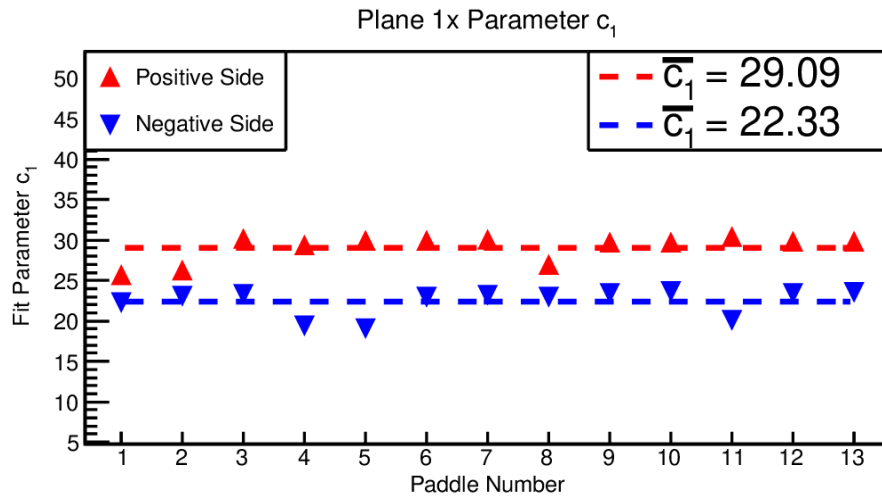
- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}$, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- TDC-ADC pulse time difference vs Pulse amplitude :2yPos

Hodoscope Calibration

- SHMS 10604: cosmic run
- $E_p = 3.4 \text{ GeV}, 30^\circ$
- Trigger: 3/4 (pTRIG1)



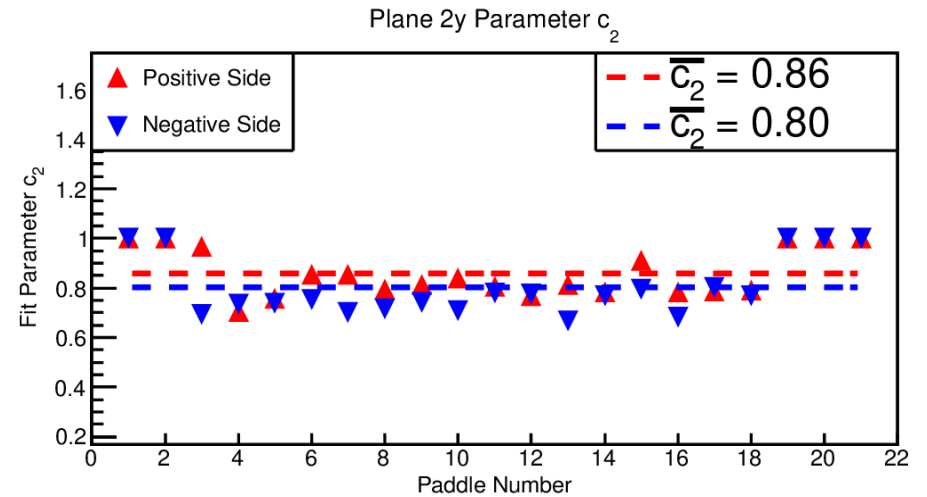
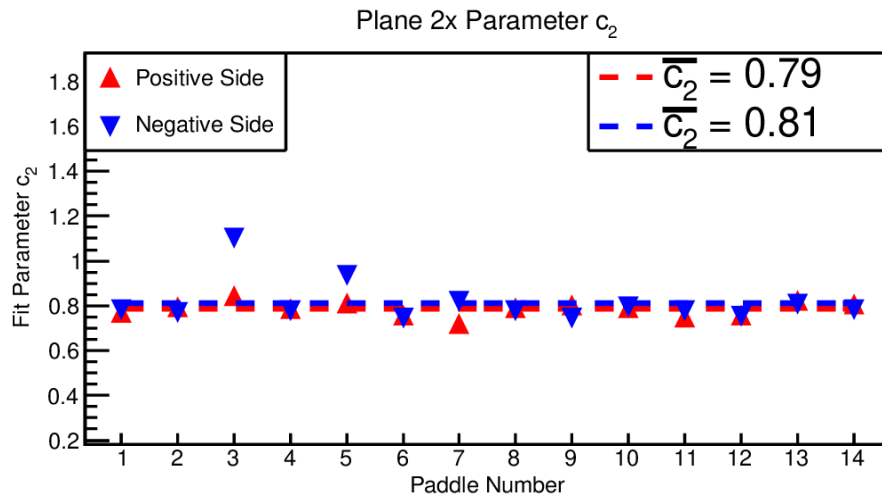
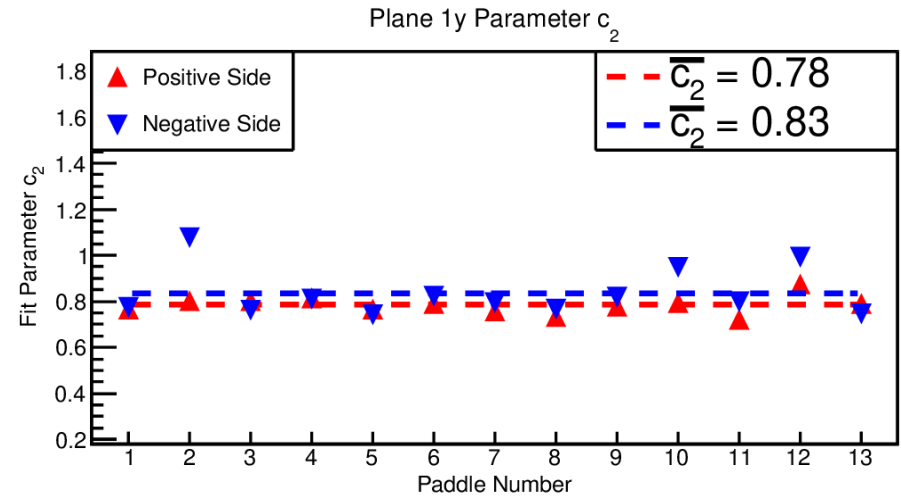
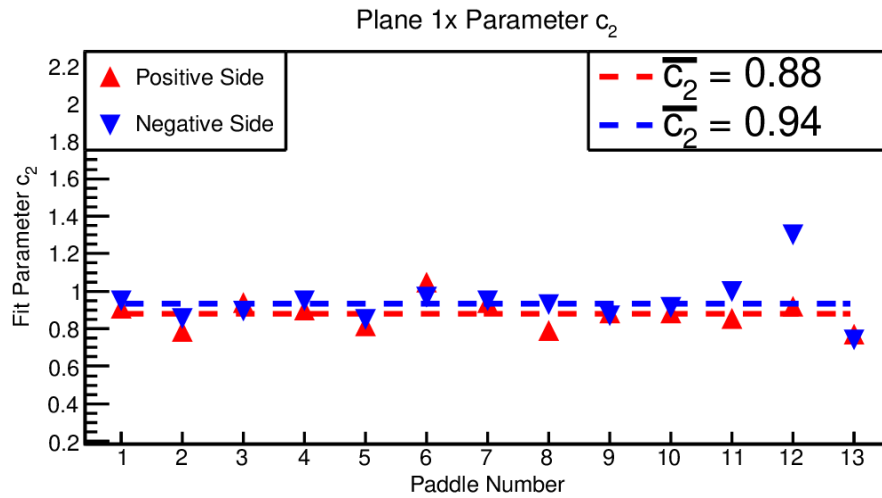
- Time Walk correction
- Fitting results for c_1

$$f_{TW}(a) = c_1 + \frac{1}{(a/TDC_{thrs})} c_2$$

- a is ADC amplitude; $TDC_{thrs} = 120 \text{ mV}$

Hodoscope Calibration

- SHMS 10604: cosmic run
- $E_p=3.4$ GeV, 30°
- Trigger: 3/4 (pTRIG1)



- Time Walk correction
- Fitting results for c_2

$$f_{TW}(a) = c_1 + \frac{1}{(a/TDC_{thrs})c_2}$$

- a is ADC amplitude; $TDC_{thrs}=120$ mV