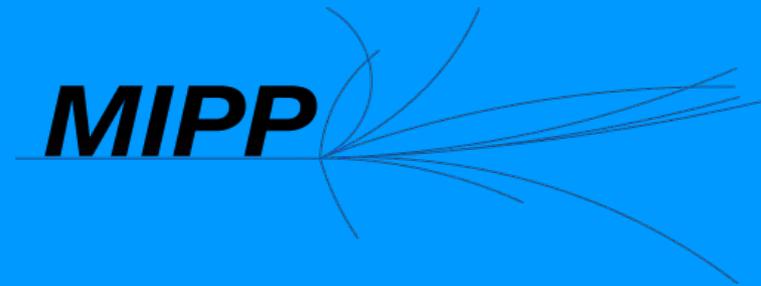


T0 and TOF Calibration: The Revised and Expanded Edition

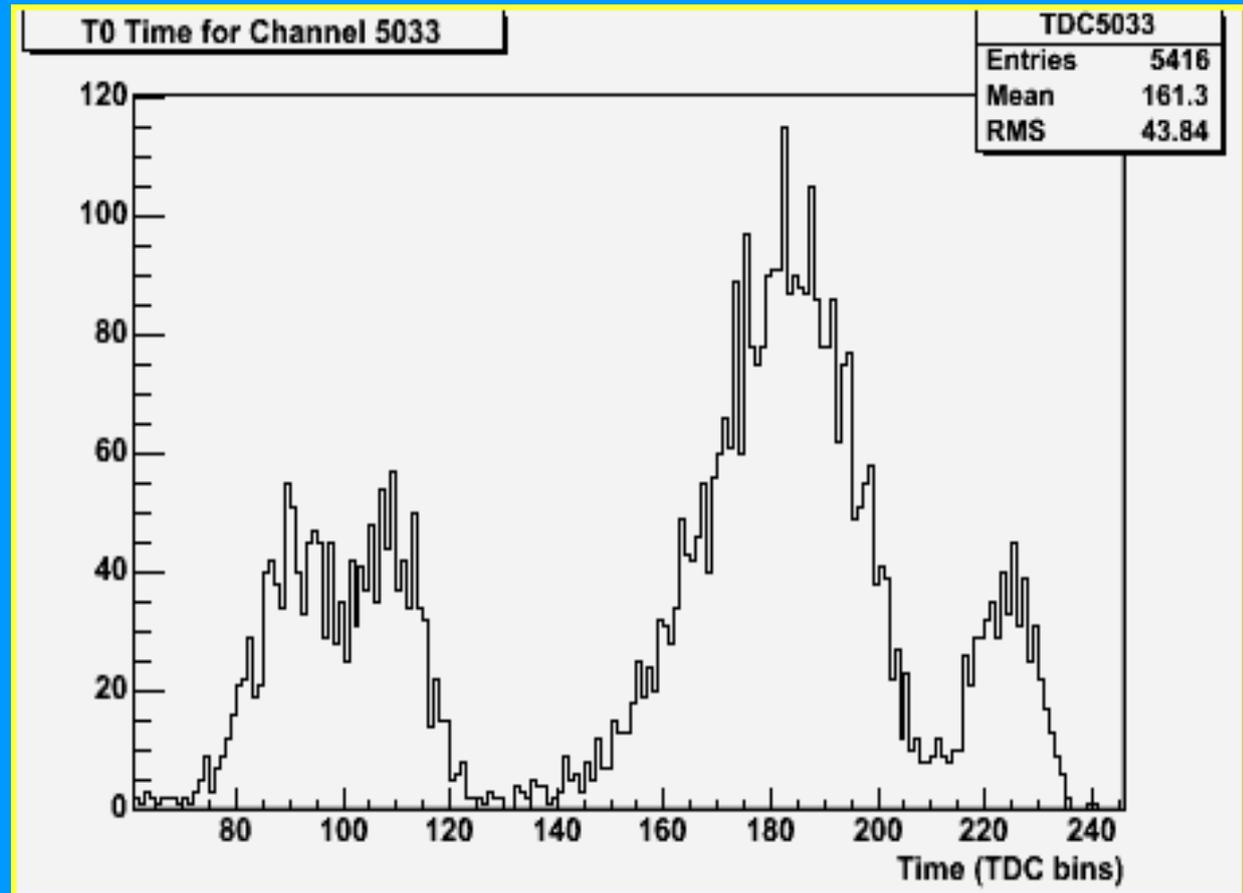
A Presentation on the Most Current Top-
Level Algorithm for T0x and TOF
Calibration and Its External Requirements

Joshua Hendrickson
July 19th, 2005
USCHEP-E907



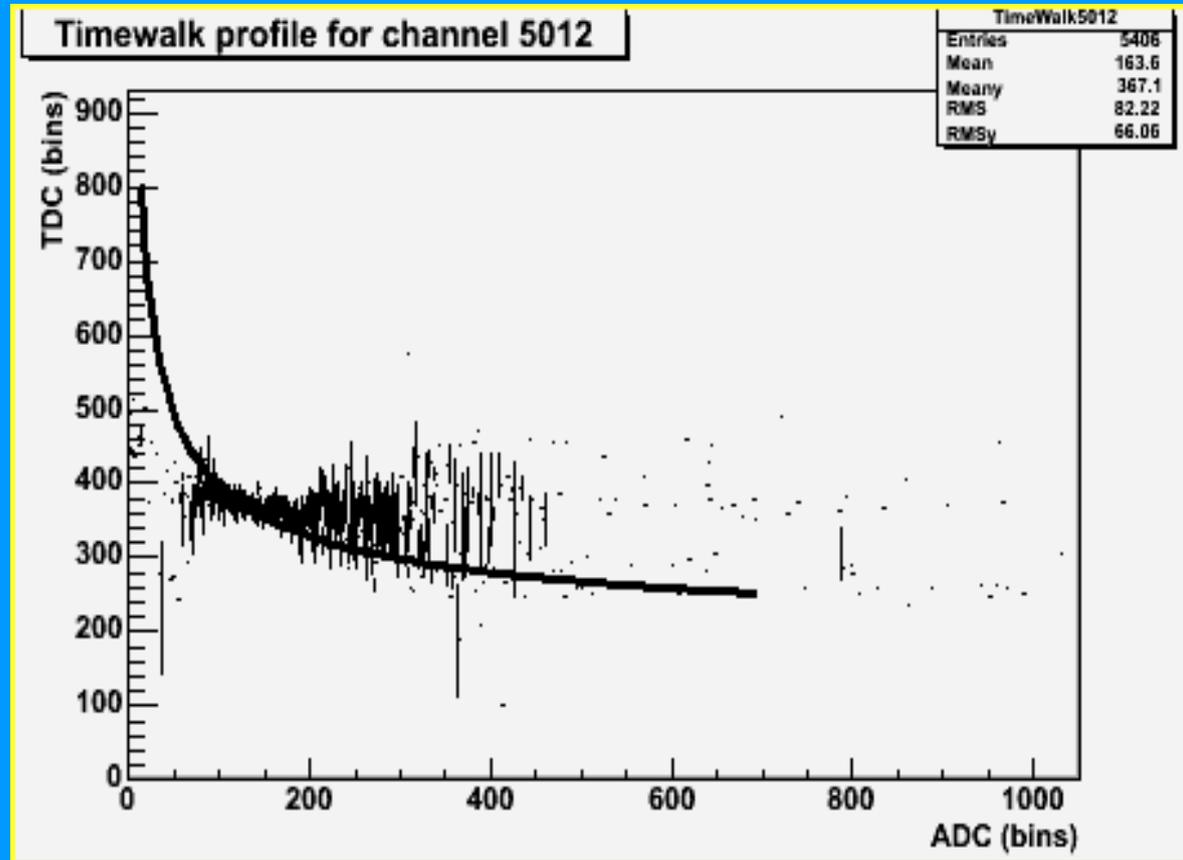
Current issues in T0:

- Weird things happening in the TDCs
- This is from run 13886
- I have no idea how to explain this.



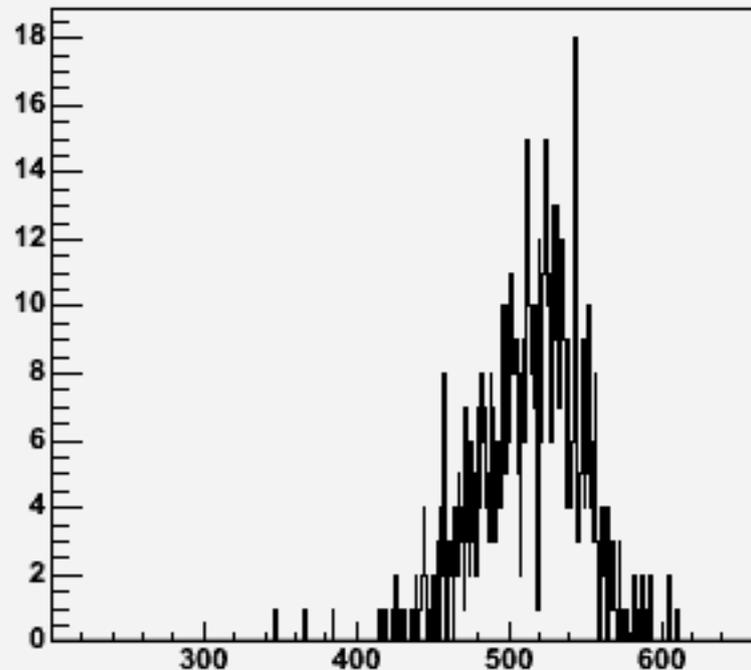
Looking at time-walk

- This is the timewalk profile for the same channel
- As you can see, we have a long way to go on tuning things up.



Same channel, run 14428

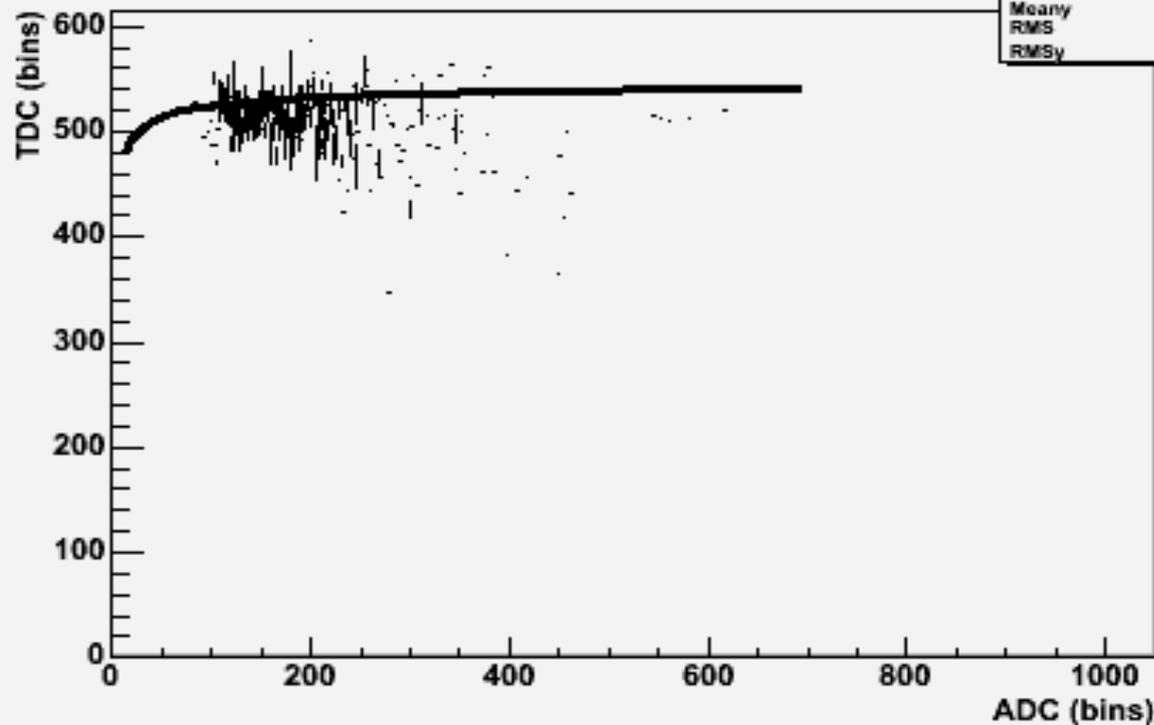
T0 Time for Channel 5012



TDC5012

Entries	769
Mean	513.3
RMS	34.06

Timewalk profile for channel 5012

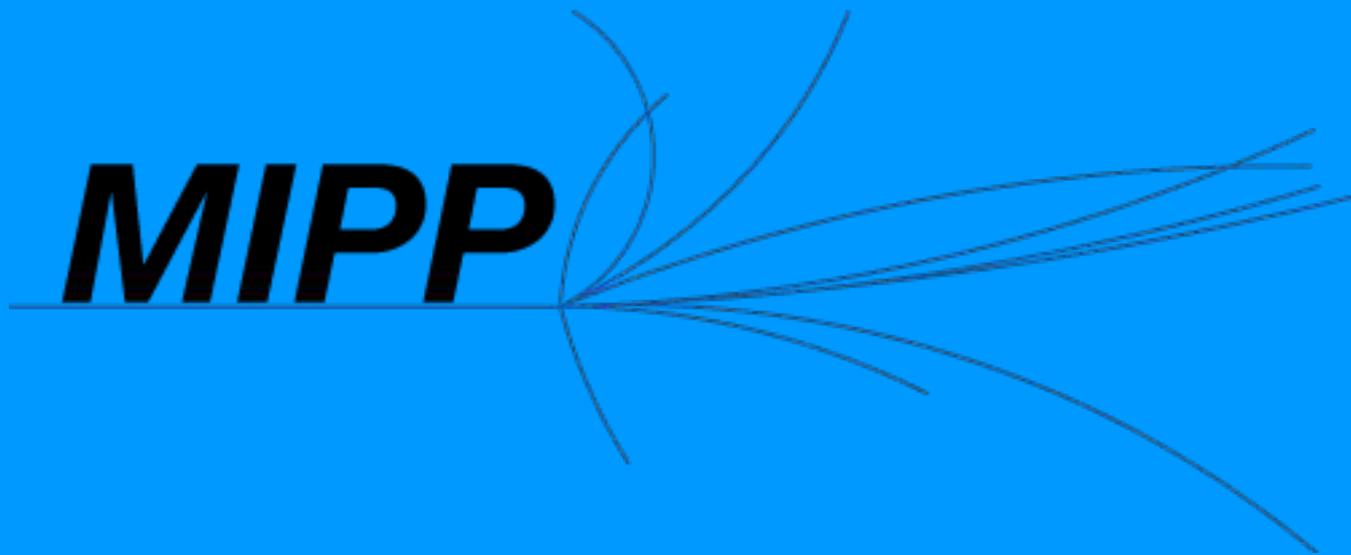


TimeWalk5012

Entries	767
Mean	179.7
Meany	512.8
RMS	66.14
RMSy	34.06

Other issues

- Recent questions have arisen that concern the current methodology of the timewalk correction (uncertainties in trigger time affecting measured TDC in each channel), among other things; obviously, the questions are quite deserved.
- USC needs more time to R&D answers to this problem and others that will undoubtedly arise later in calibration.



Presented to the MIPP software/analysis
by Joshua Hendrickson
on July 19th, 2005
USCHEP

