First analysis of Micromegas beam data with MarlinTPC software
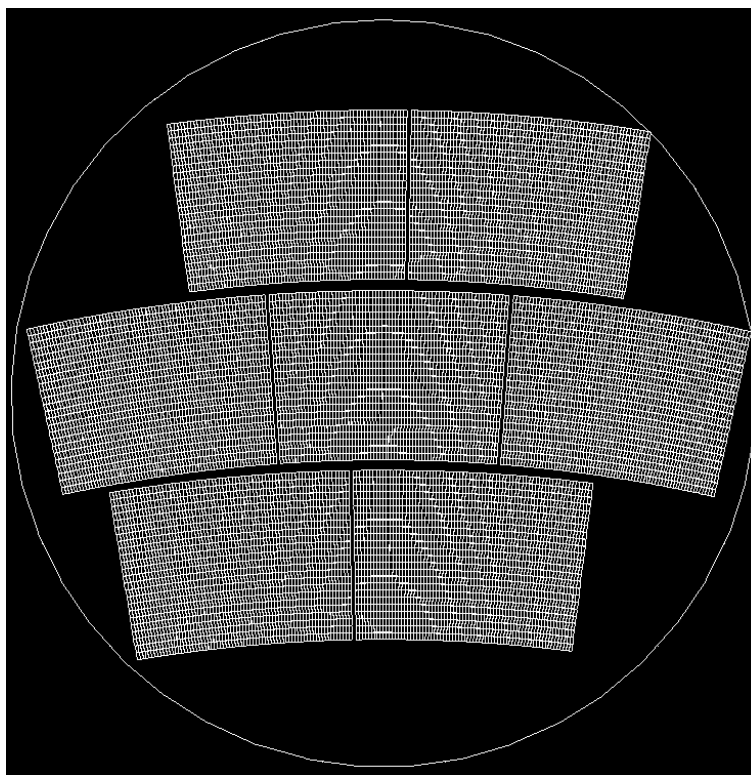
D. Attié, P. Colas, K. Ikematsu, K. Fujii

i r f u

cea
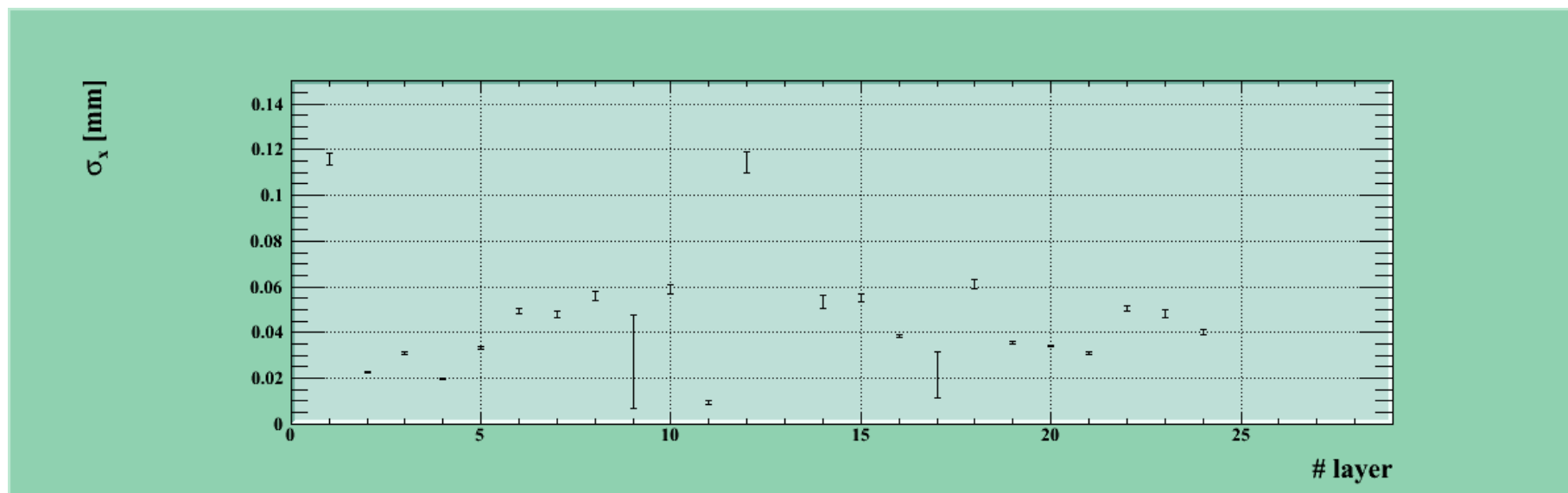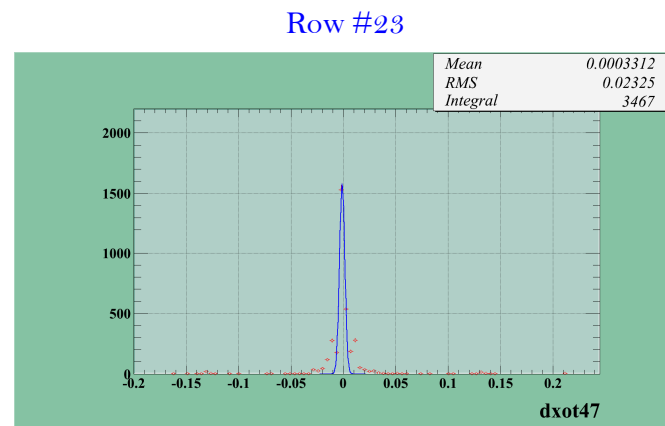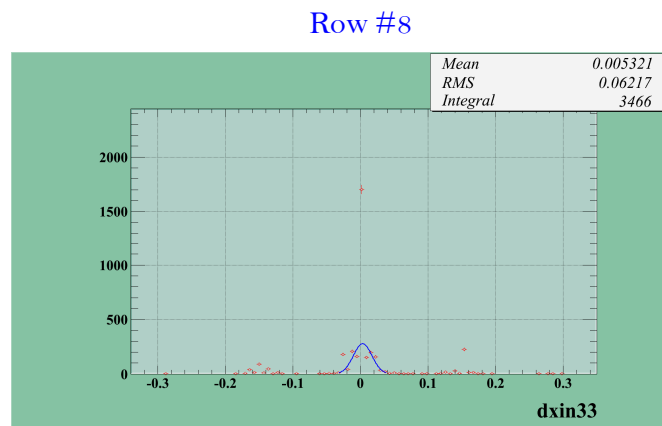
saclay

LCTPC WP Phone meeting 98
February 4, 2010

- Extended Kalman Filter compiled after a Makefile correction

- Processor `MyAIDAProcessor` was desactivated

- In Gear geometry file:

  - PadRowLayout2D type: `FixedPadAngleDiskLayout` not handle by the code
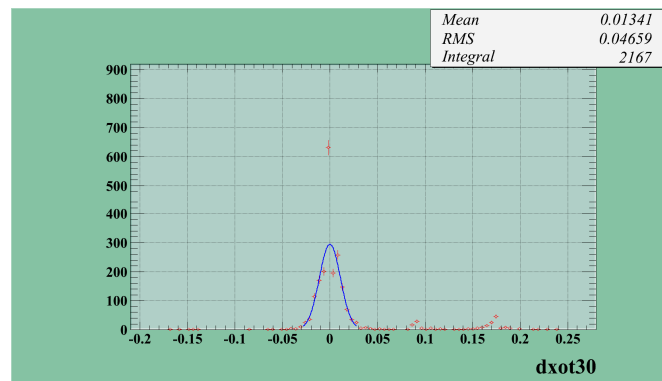 - change to `VersatileDiskRowLayout`

Very preliminary

- RUN 599 (June '09)

- 25 MHz, 500 ns
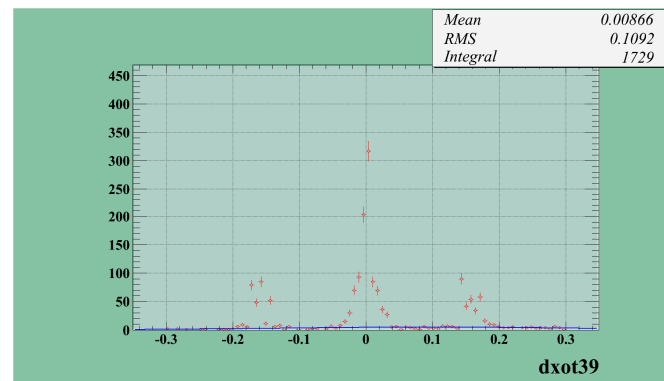
- B=1T data

- z = 20 cm

Row #8

Mean	0.005321
RMS	0.06217
Integral	3466

dxin33

Row #23

Mean	0.0003312
RMS	0.02325
Integral	3467

dxot47

Very preliminary

- Asking for more than 22 hits per events

Row #5

Mean	0.01341
RMS	0.04659
Integral	2167

dxot30

Row #14

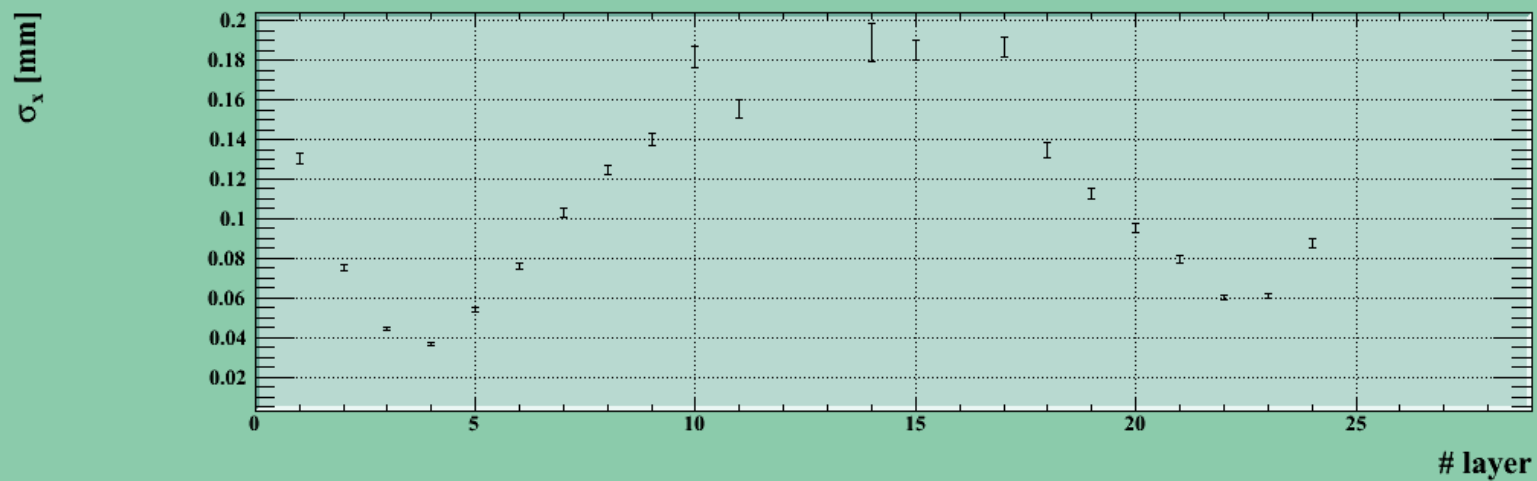| Mean	0.00866
RMS	0.1092
Integral	1729

dxot39

- Understand what does each processor and check step by step

- Improve track finding processor

- Implement PRF and resistive analysis from Carleton code

Thank you very much to our Japanese colleagues !