

SNU-HEP Lab Meeting Presentation

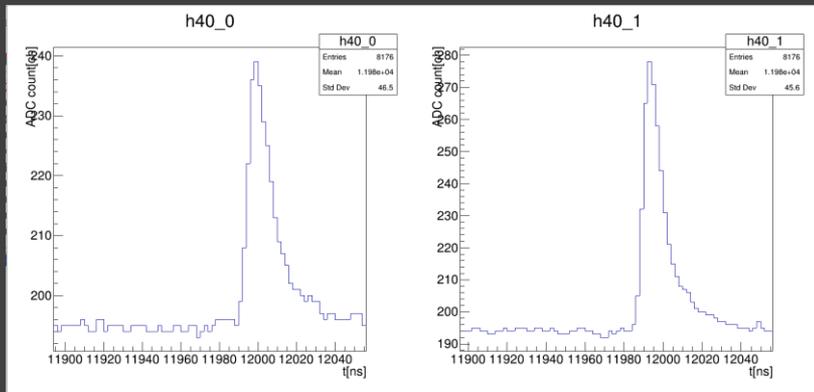
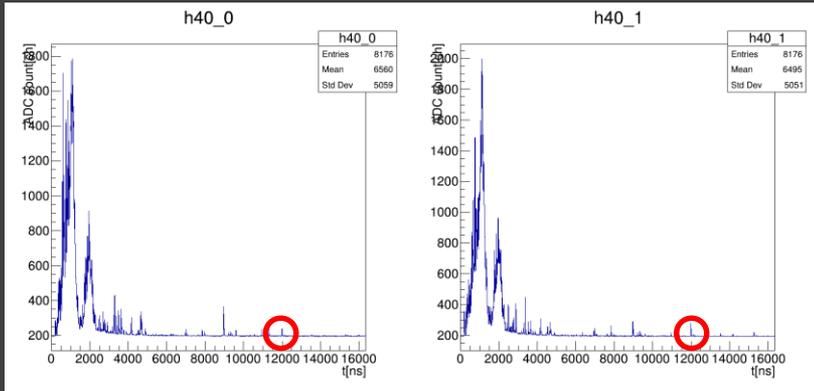
Date: 2018-11-05

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Anti-proton data(data num: 763)

- The number of Event : 54
- 18 events have overflowed points(waveform == 4096)
- Almost bar 4 left channel have overflowed points
- The number of overflowed points each event is around 1~87

Tail tracking(data num: 763)

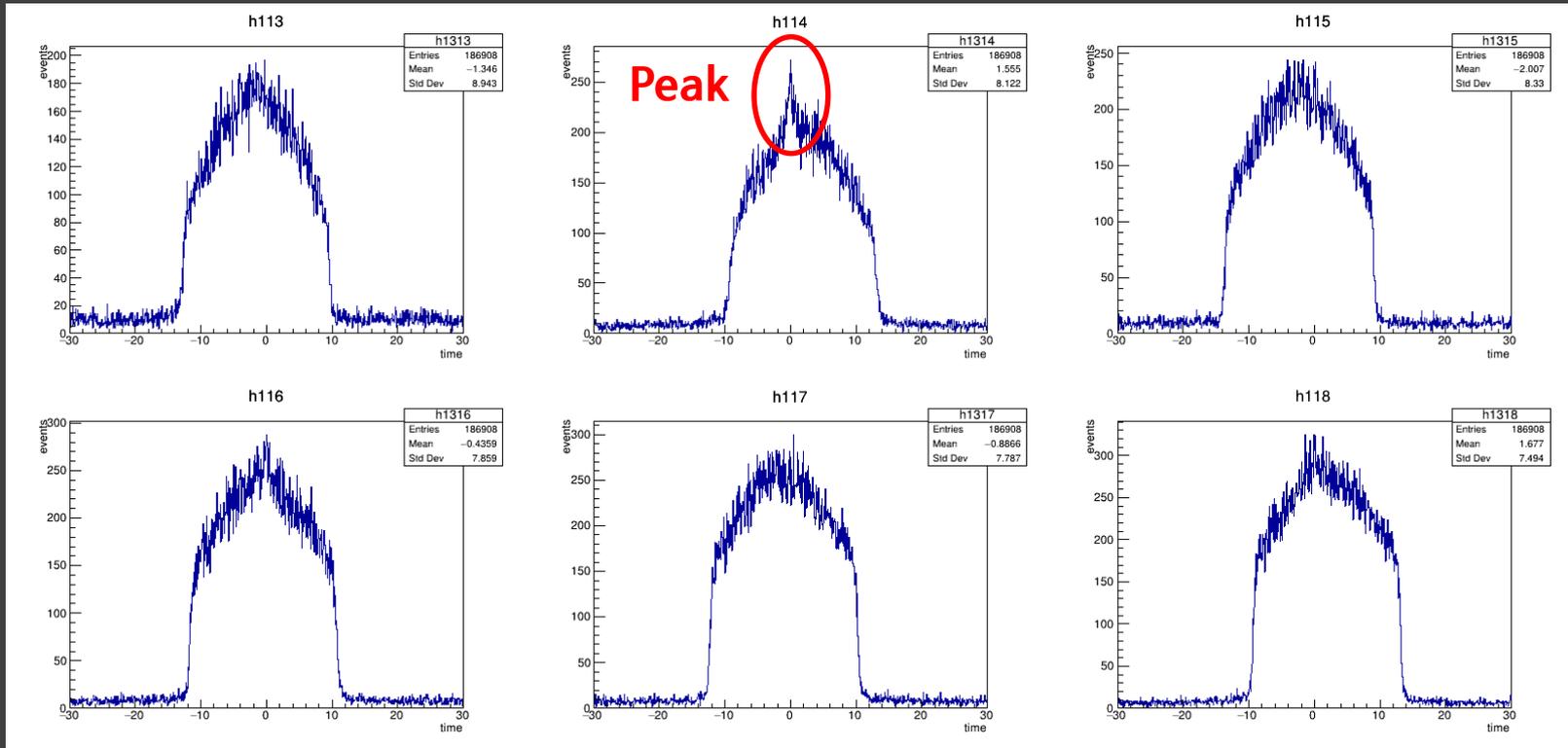


- Event Num : 40
- Bar 22 Left,Right
- Find x position of single hit
- Obtain t_0 (time of height * 0.1)

	LEFT	RIGHT
T0	11990.2	11985.7
Height	43.76	83.84

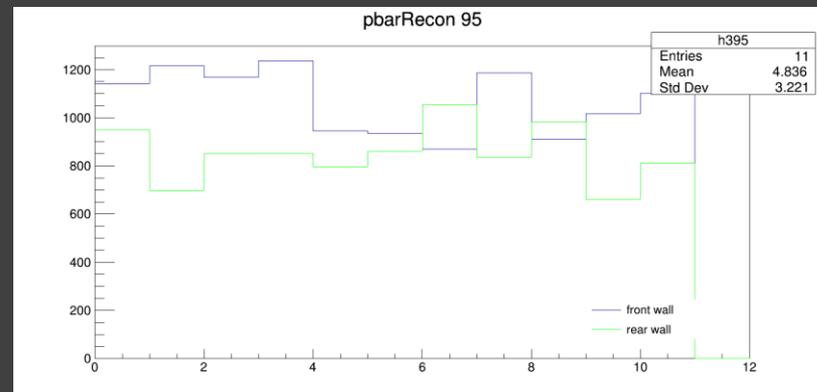
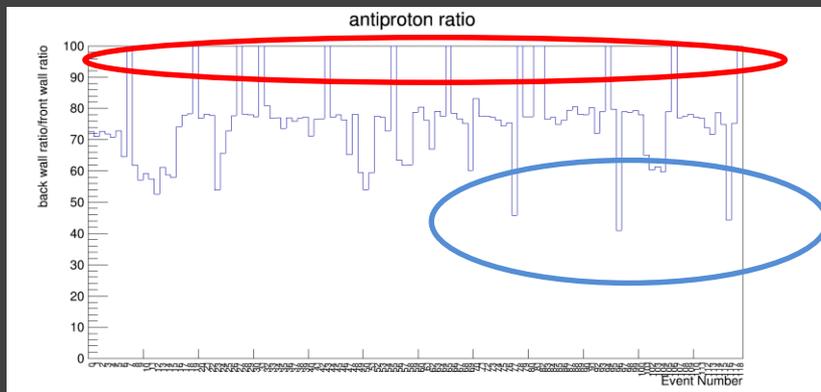
- $X = \{t_0[\text{left}] - t_0[\text{right}] - t_{\text{center}}[\text{Bar}]\}$
 $* \text{length}(170\text{cm}) / \text{twidth}[\text{Bar}]$

Time difference

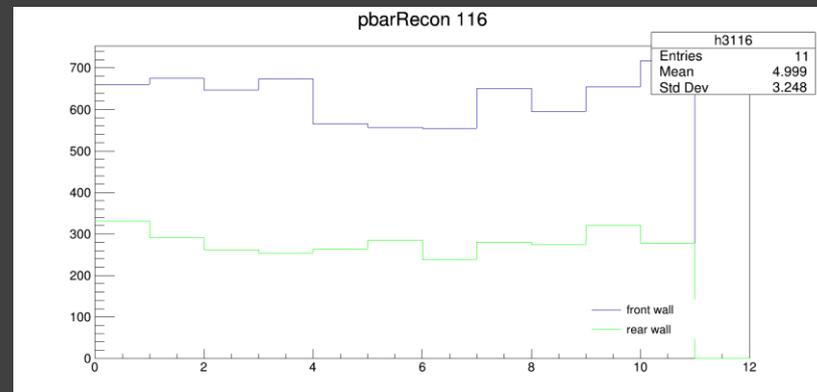
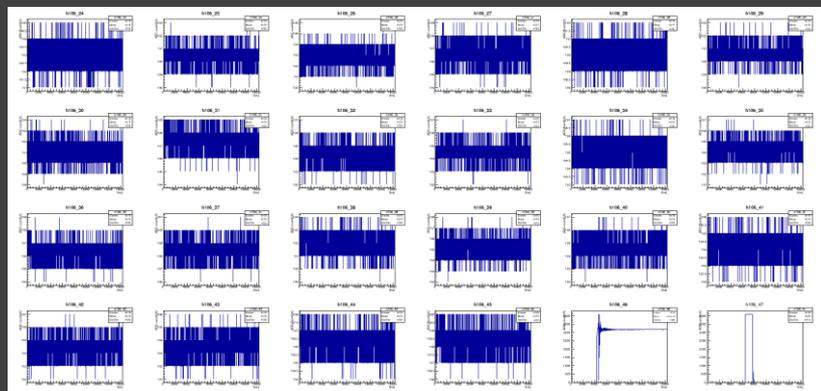


- Time difference of bar 14 has peak(left side)
- Obtain Twidth by $\text{max}/5$ (half max \rightarrow $\text{max} / 5$) : around 22[ns]

Data Analysis(data num: 772)(changed geometry)



- Similar to data 763(geometry?)



- Need to analysis

- No pbar beam

2018-11-05

Weekly meeting-

Similar to 7us event(data 665,666)

To do list

- **PBAR Analysis**
 - Analysis 2,3 peak events
 - Analysis tale events
 - Analysis time difference problem
 - Analysis 772 and 777 data