SNU-HEP Lab Meeting Presentation

Date: 2018-10-15

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Gain calibration(data num:762)(voltage changed)

wall1	LEFT		RIGHT		wall2	LEFT		RIGHT	
	Voltage	MPV	[V]	[ch]		[V]	[ch]	[V]	[ch]
01	1253	100.0	1240	98.0	13	1265	98.9	1252	106.1
02	1220	102.1	1247	101.4	14	1175	95.9	1284	105.4
03	1220	97.3	1205	100.3	15	1155	99.2	1149	100.3
04	1229	99.8	1230	102.1	16	1171	99.9	1150	98.0
05	1258	101.4	1219	101.6	17	1185	99.3	1215	97.6
06	1228	99.7	1280	100.0	18	1140	101.2	1189	99.1
07	1201	99.9	1255	98.3	19	1219	99.1	1194	100.3
08	1195	100.1	1231	100.3	20	1209	100.3	1317	102.0
09	1217	101.0	1203	101.3	21	1320	98.9	1275	100.9
10	1294	100.3	1204	101.5	22	1180	101.4	1166	99.6
11	1298	101.4	1180	101.0	23	1111	99.6	1236	99.0
12	1232	99.8	1272	101.6	24	1176	100.3	1182	99.7

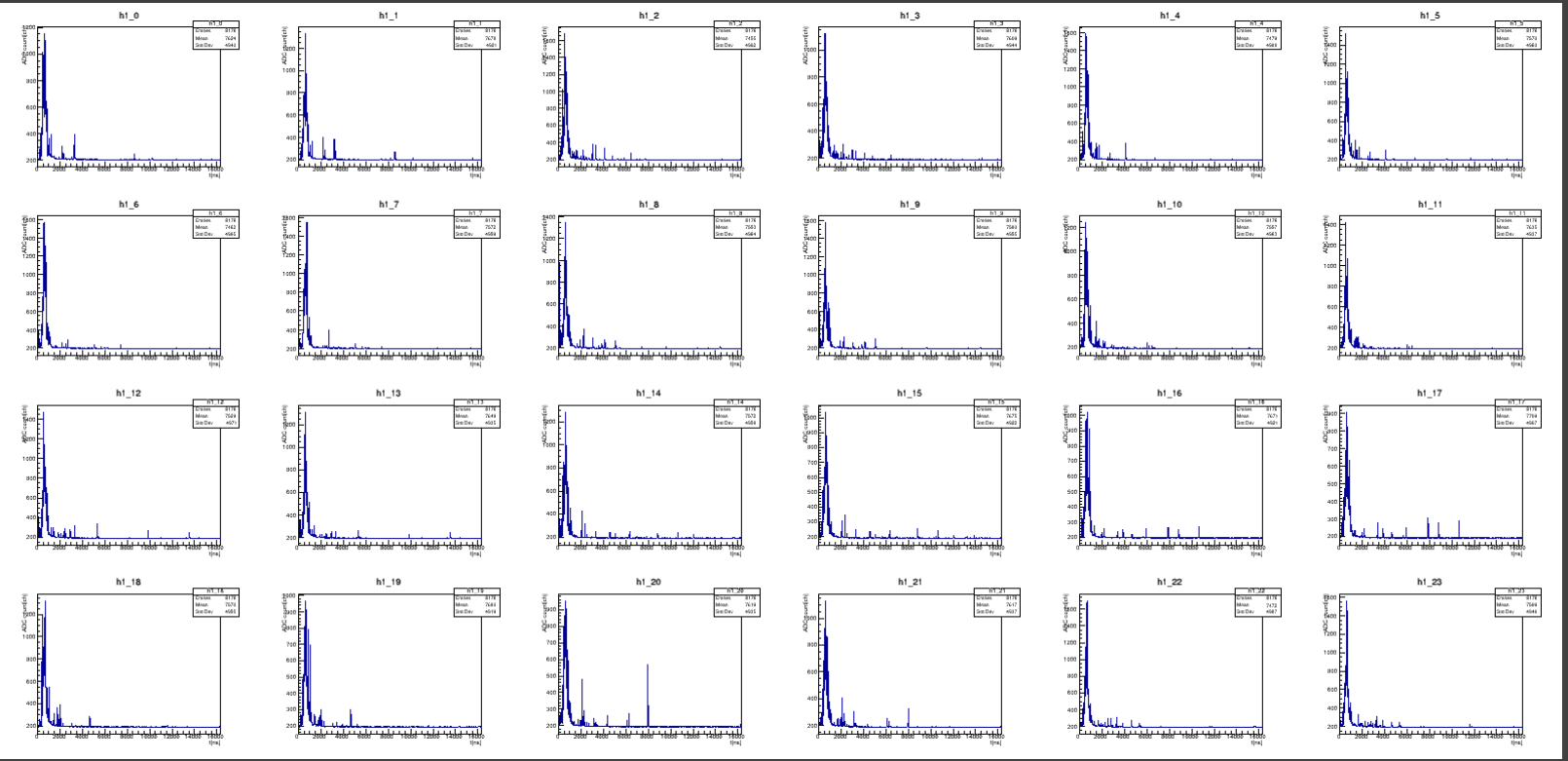
Anti-proton data(data num: 763)

- Experiment configuration
  - Distance between MCP1 and TOF : 550 [cm]
  - Distance between MCP2 and TOF : 610 [cm]
  - Distance between front wall and back wall : ? [cm]
- Trigger configuration
  - Gatewidth: 100000[ns]
  - Record length: 128 (16μs)
  - External trigger(last two channel: delay generator, ELENA trigger)
  - Configuration file: fadc_DAC_triggertest_2018.config
- High voltage
  - Same as data #762

Anti-proton data(data num: 763)

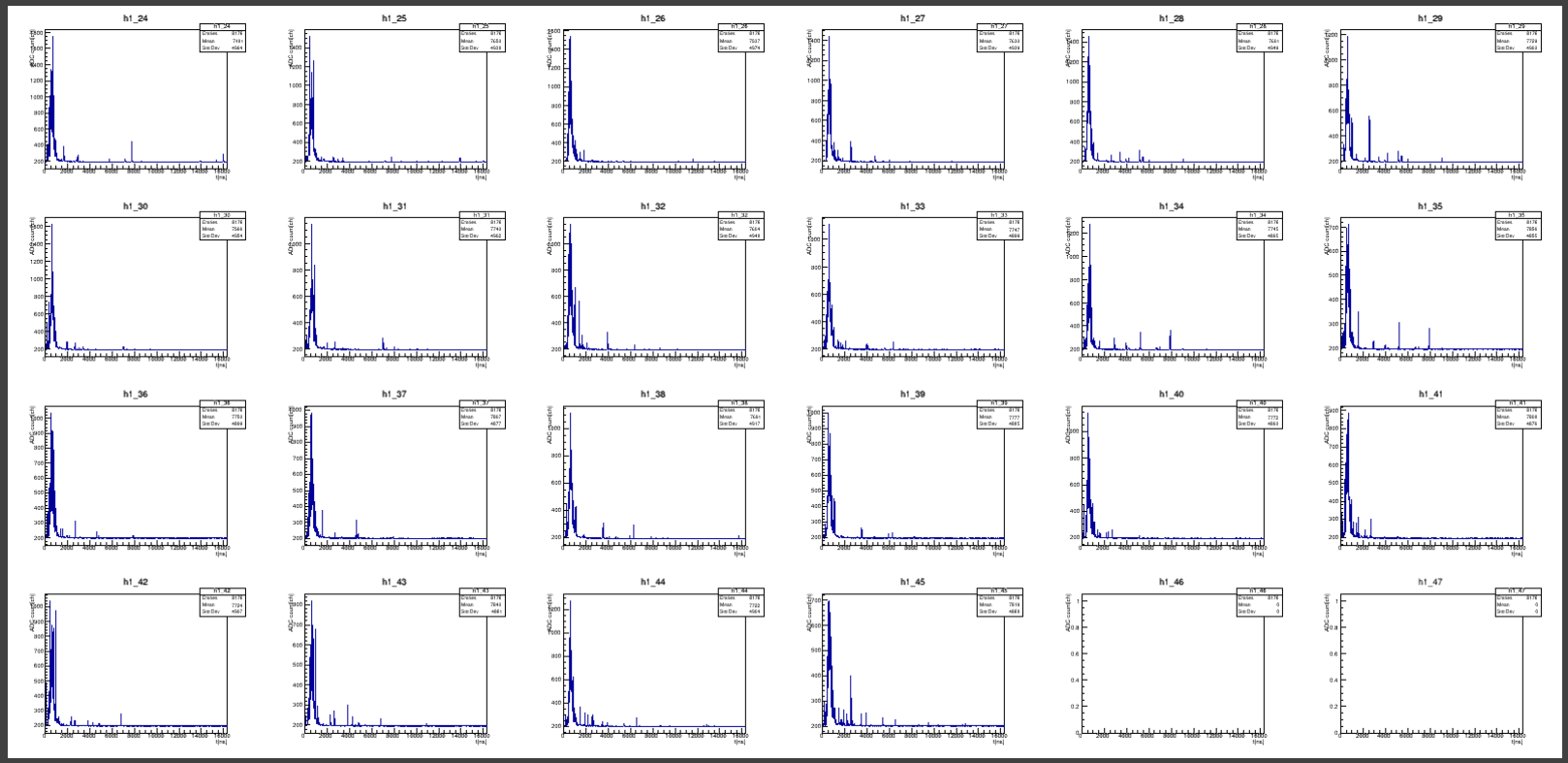
- The number of Event : 54
- 18 events have overflowed points(waveform == 4096)
- Almost bar 4 left channel have overflowed points
- The number of overflowed points each event is around 1~87

Anti-proton data(data num: 763)



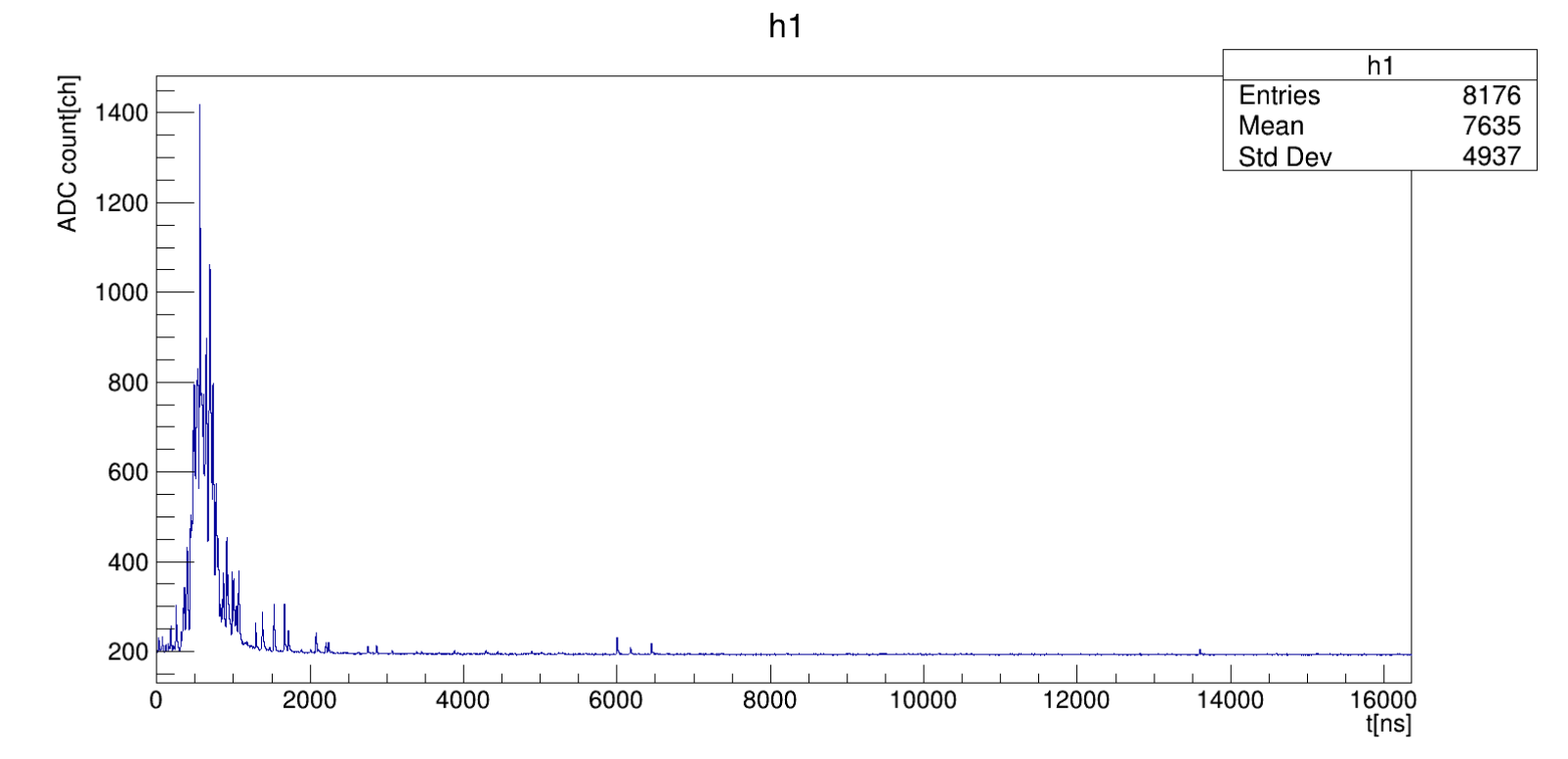
- EventNum: 1
- Front wall

Anti-proton data(data num: 763)



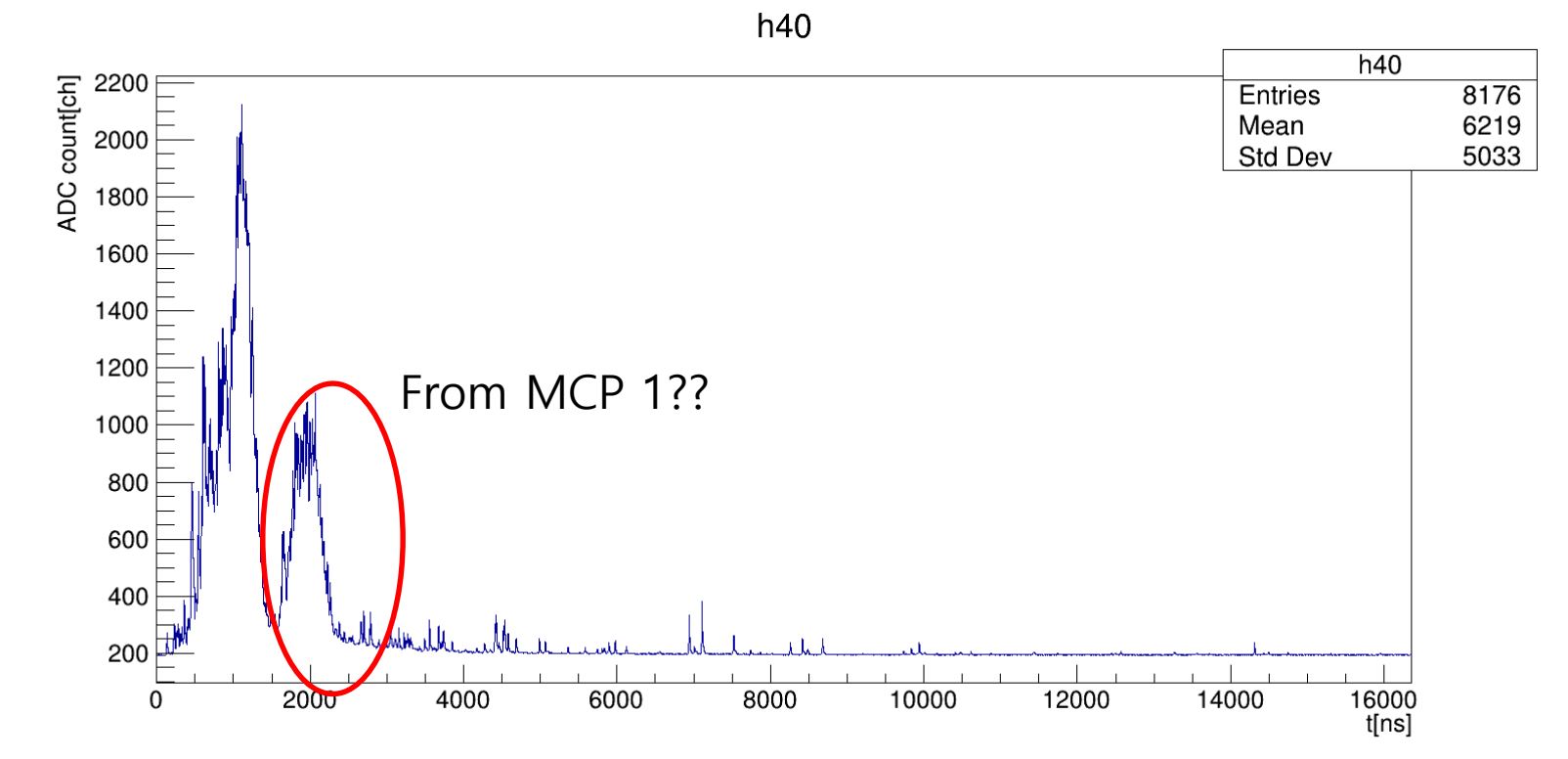
- EventNum: 1
- back wall

Anti-proton data(data num: 763)



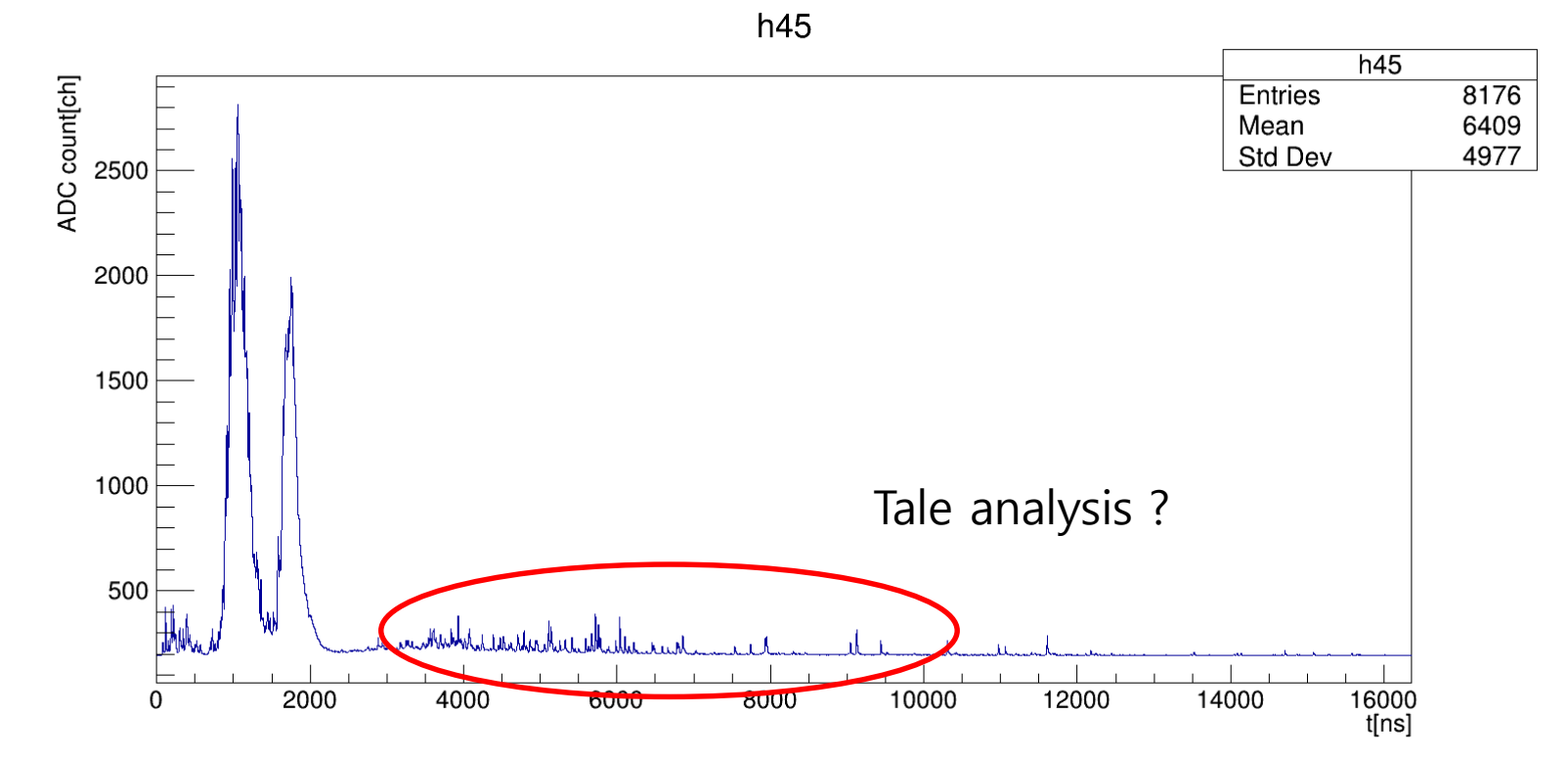
- EventNum: 1
- Bar 6 right channel

Anti-proton data(data num: 763)



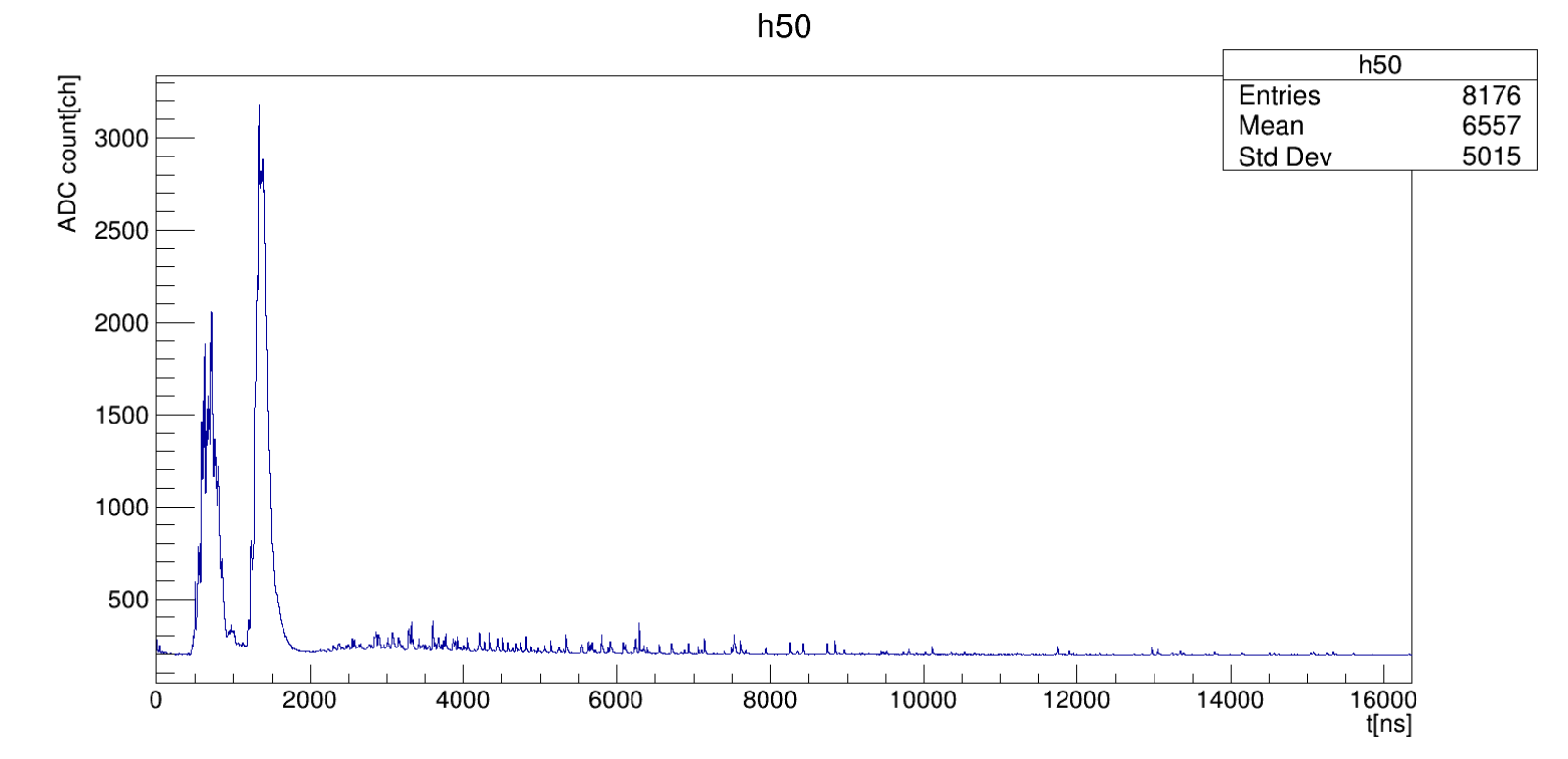
- EventNum: 40
- Bar 6 right channel

Anti-proton data(data num: 763)



- EventNum: 45
- Bar 6 right channel

Anti-proton data(data num: 763)



- EventNum: 50
- Bar 6 right channel

To do list

- PBAR Analysis
  - Estimation the number of antiproton again
  - Analysis 2 peak events
  - Analysis tale events