

Beam test status update

12/15/2016

Ye Tian, SDU

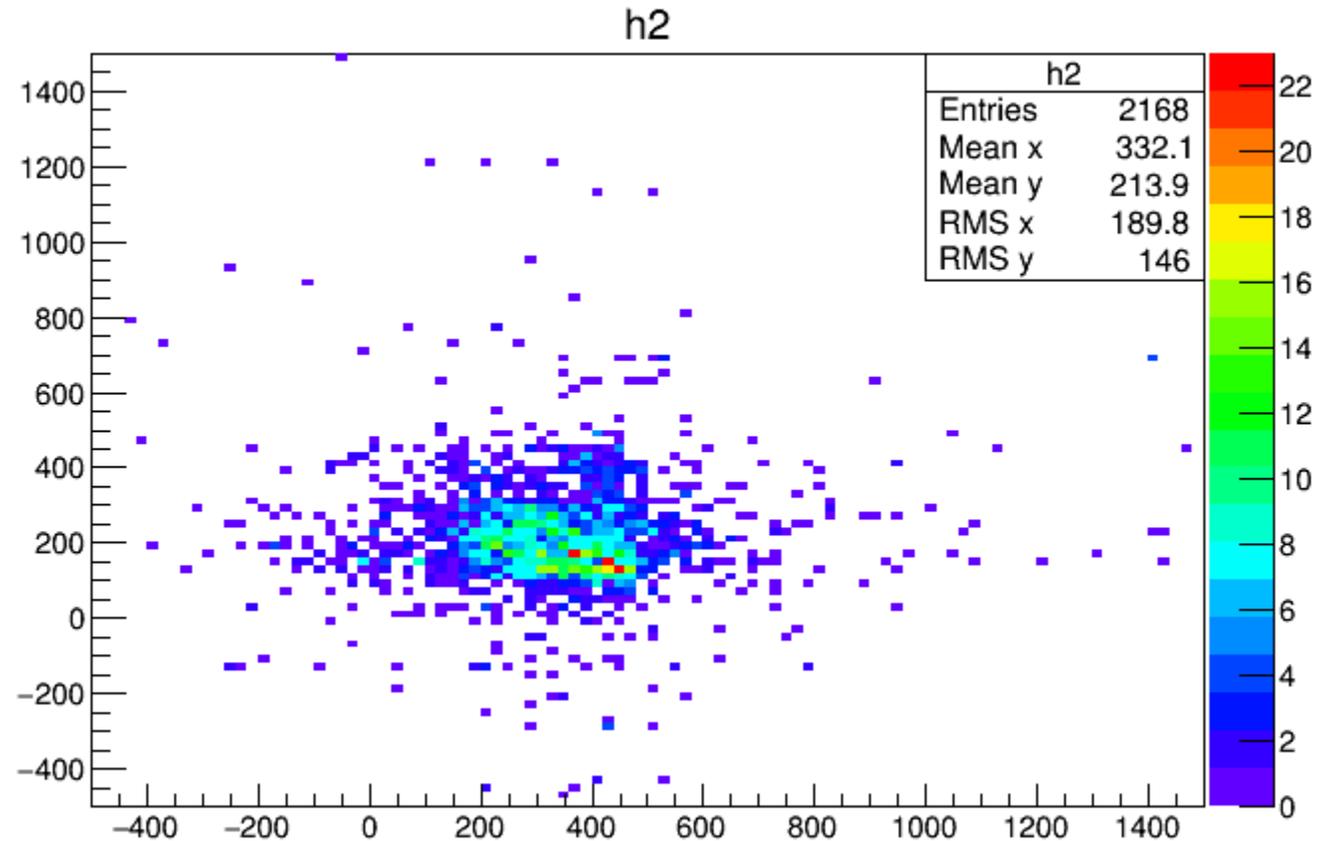
Vincent Sulkosky, UVA

General test status update

- Network works now, continue take data
- Threshold set to -150 mV, decreased from -300 mV
- Beam energy 4 pass(about 8.6GeV), current 10uA.
- Hall D has beam priority

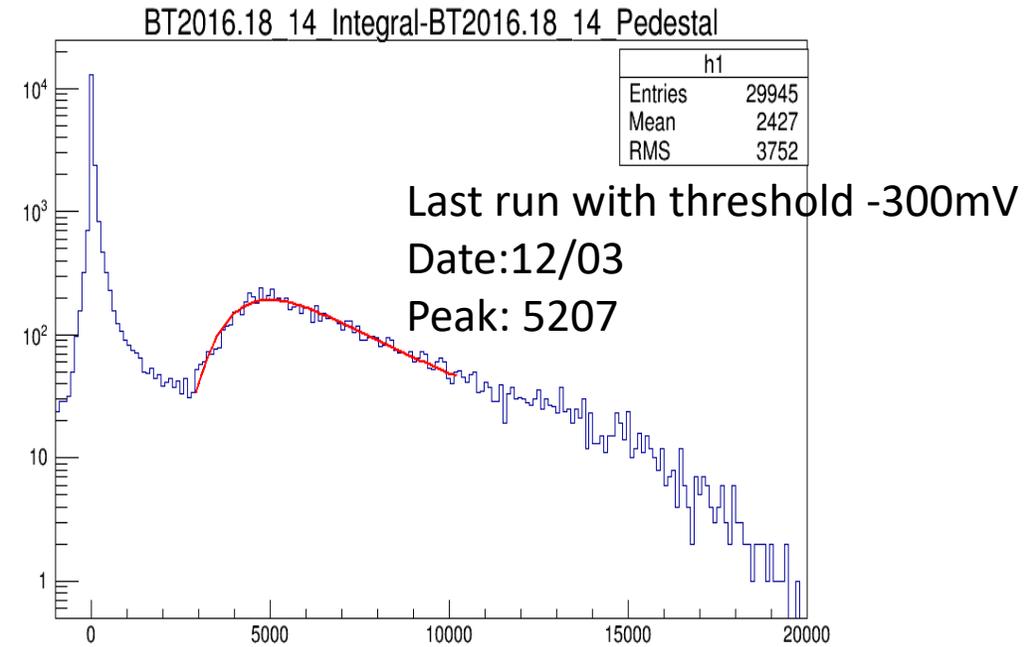
Tracking information(hit position on preshower plane, result not precise)

- Using Danning's script, tracking is not good, most events have no tracking or several trackings.
- Supposing the distance between calorimeter and GEM is 35 centimeter.

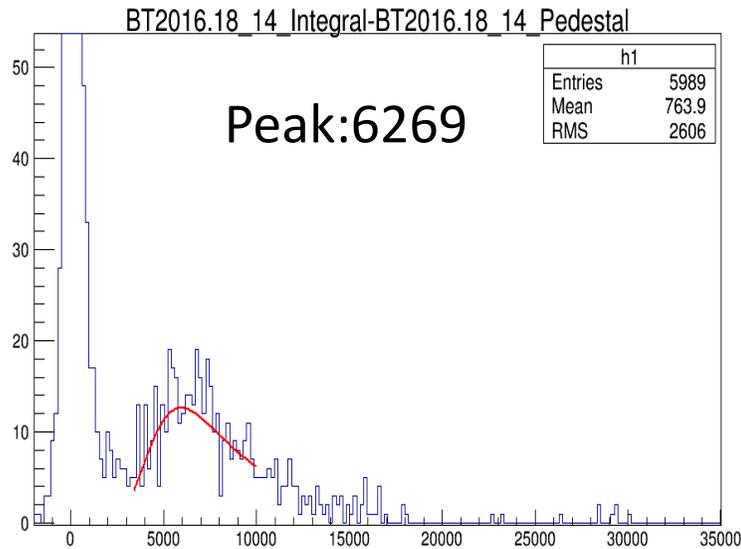


Radiation damage

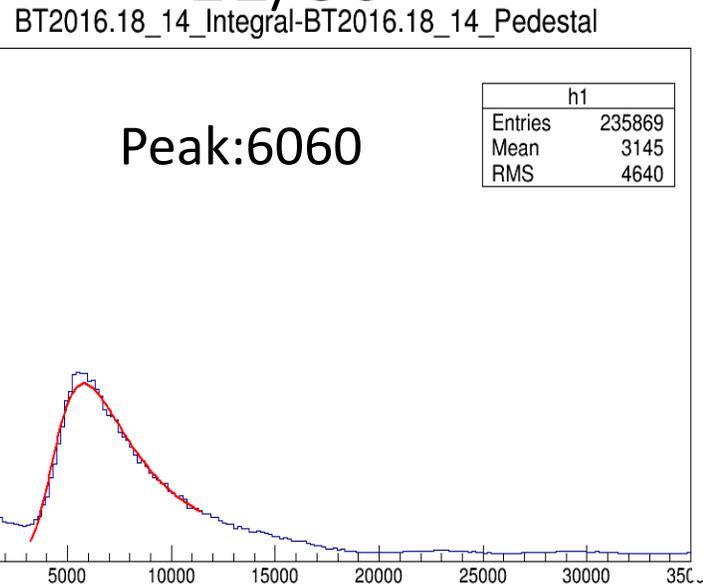
Still need to check the reason of changing.



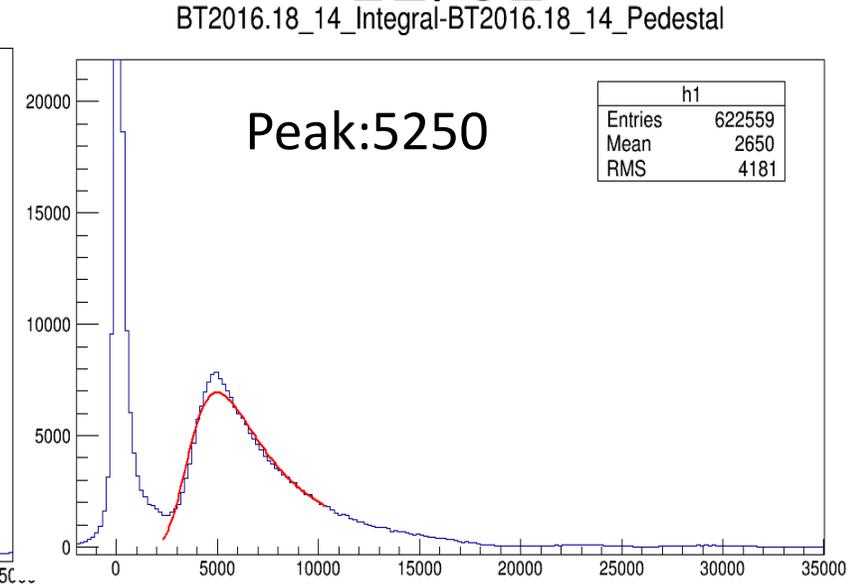
11/27



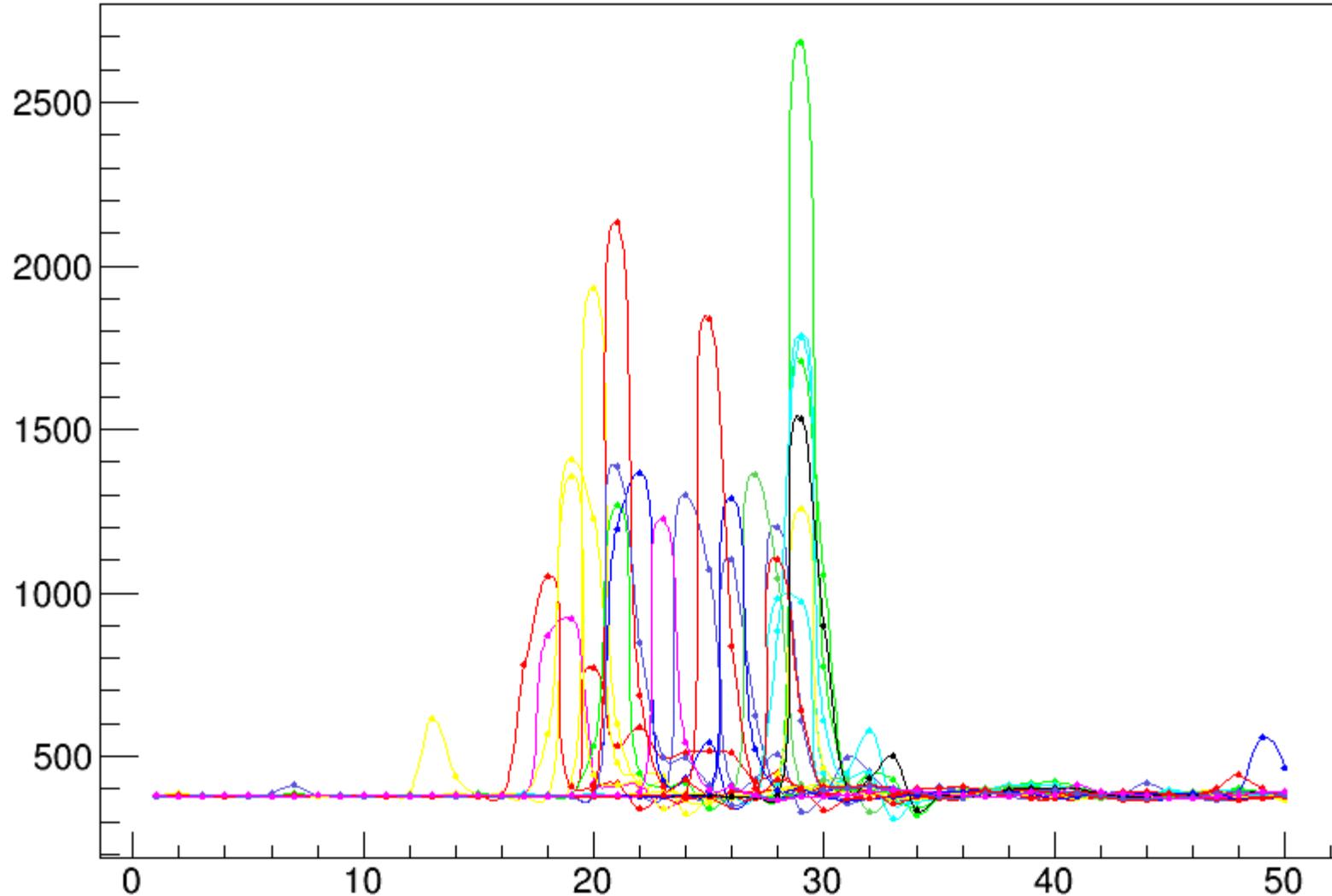
11/30



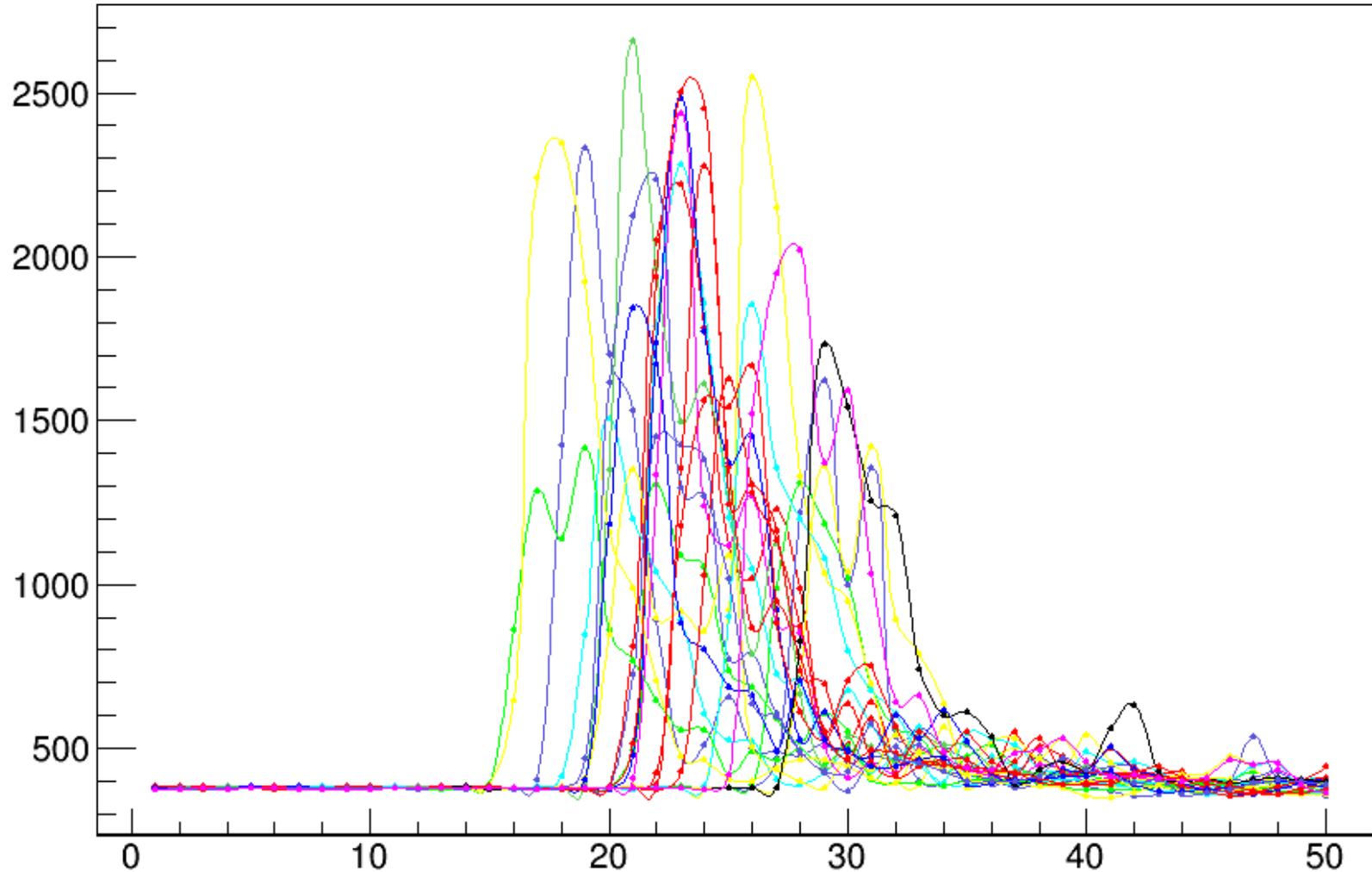
12/02

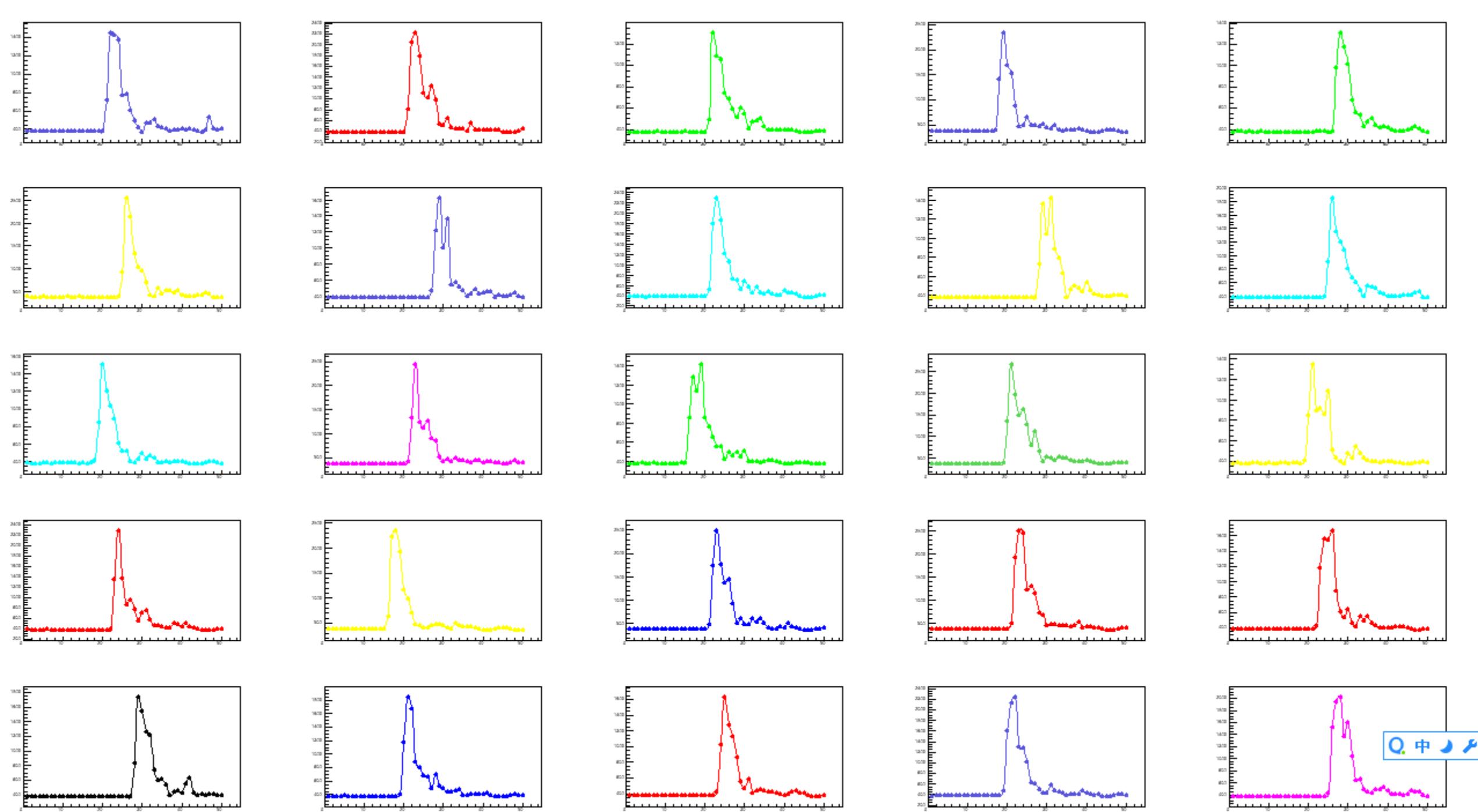


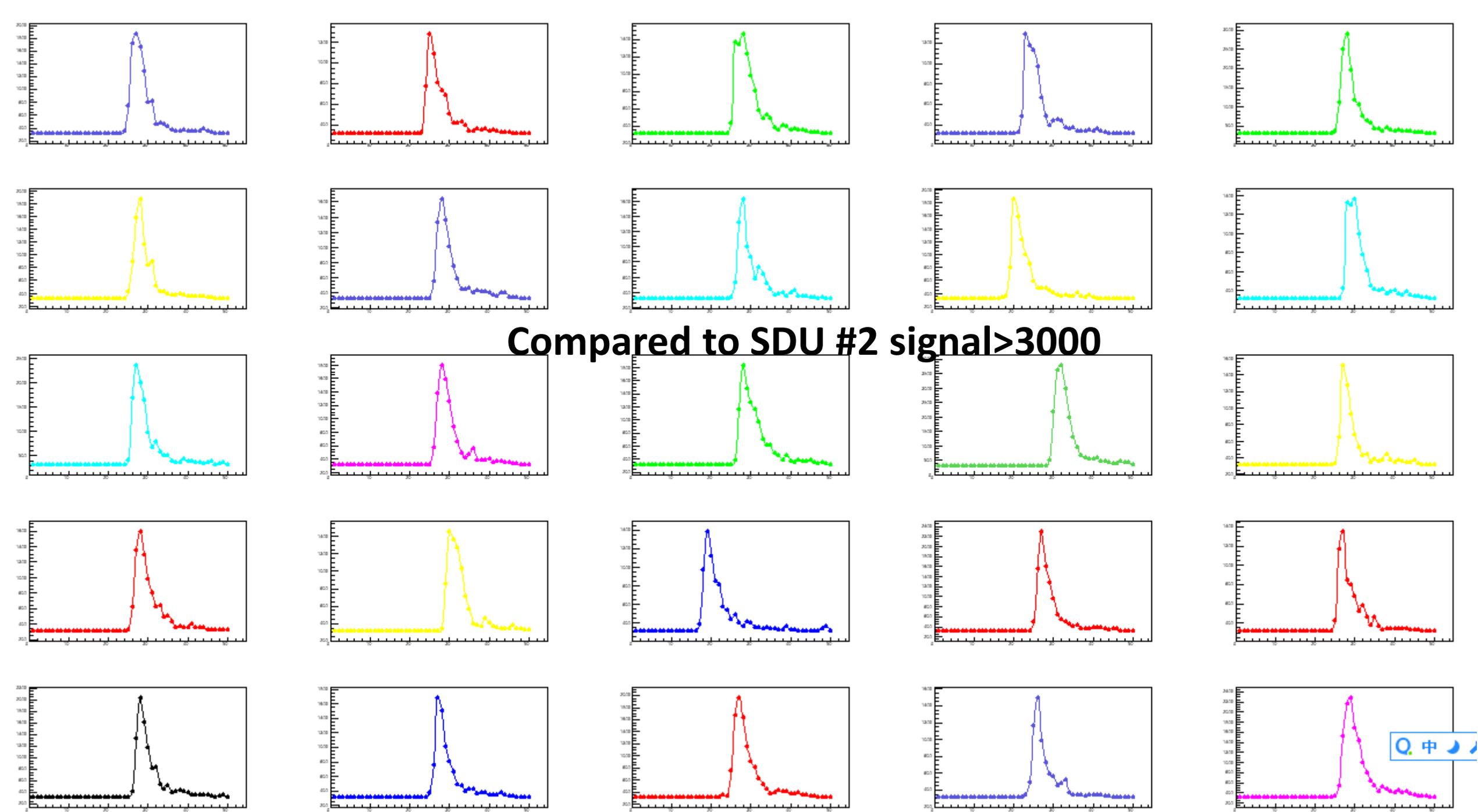
THU module FADC spectrum (first peak, signal cut: 1000-3000)



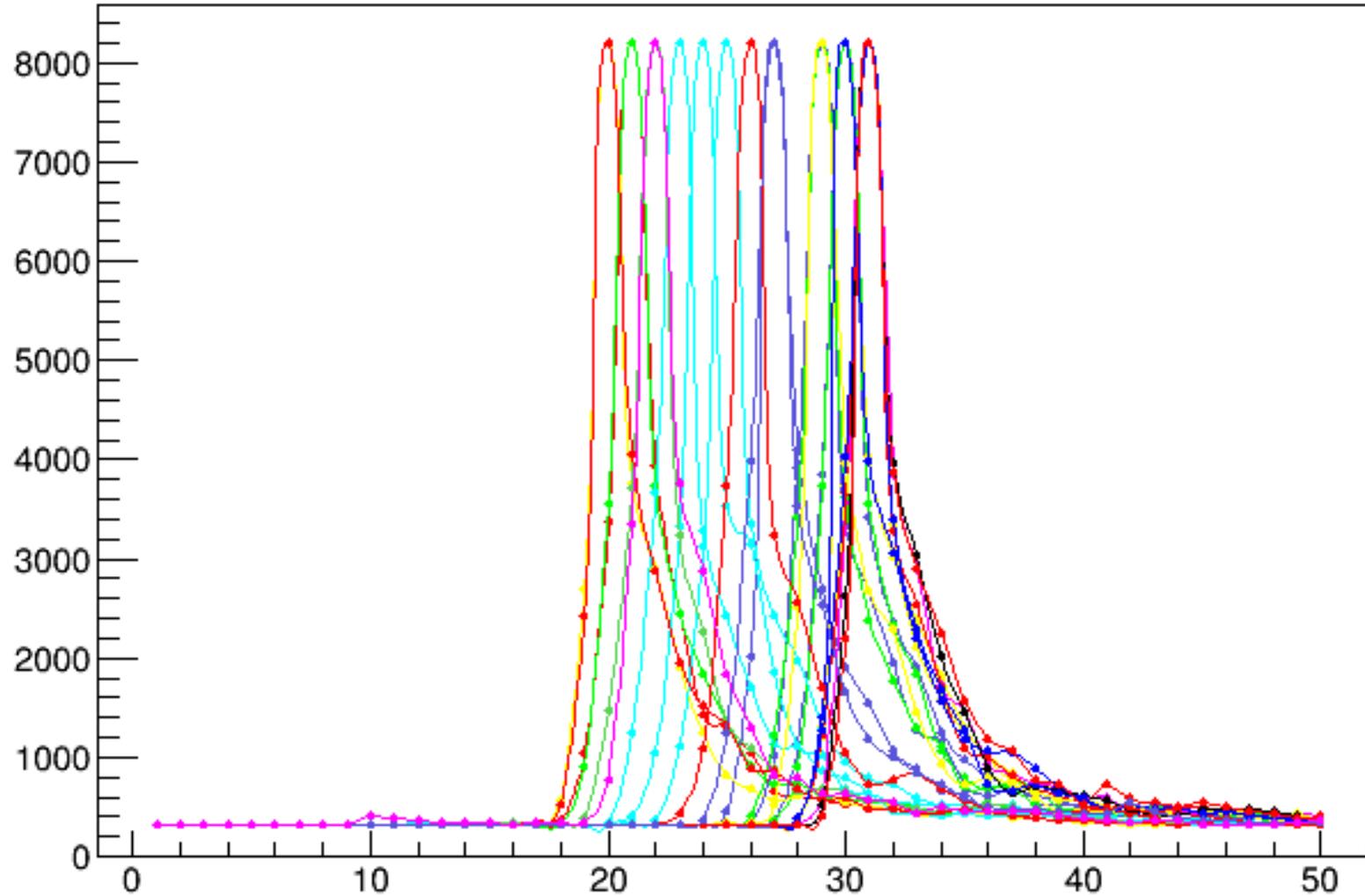
THU module FADC spectrum(second peak,
signal cut: above 4000)



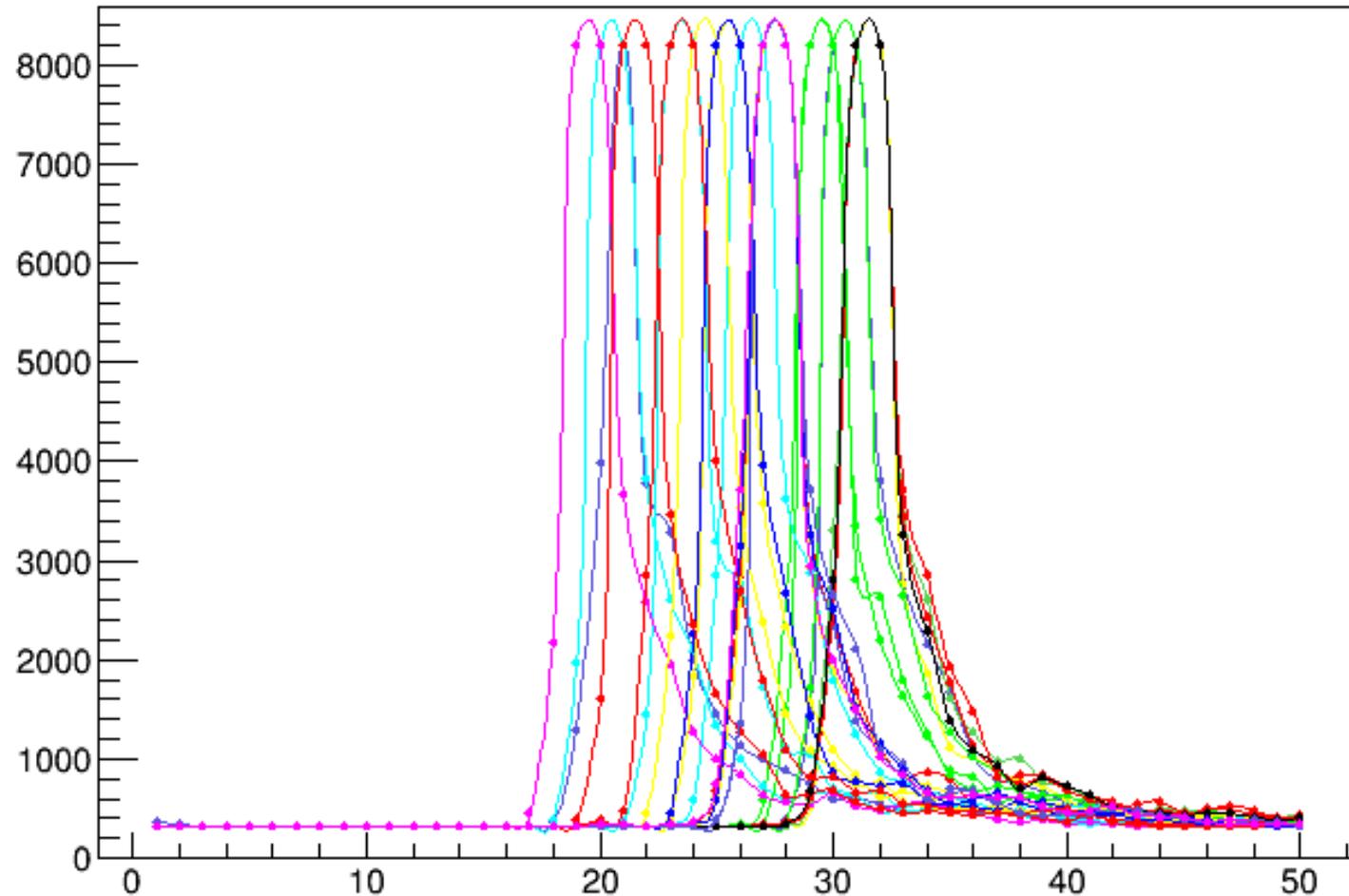




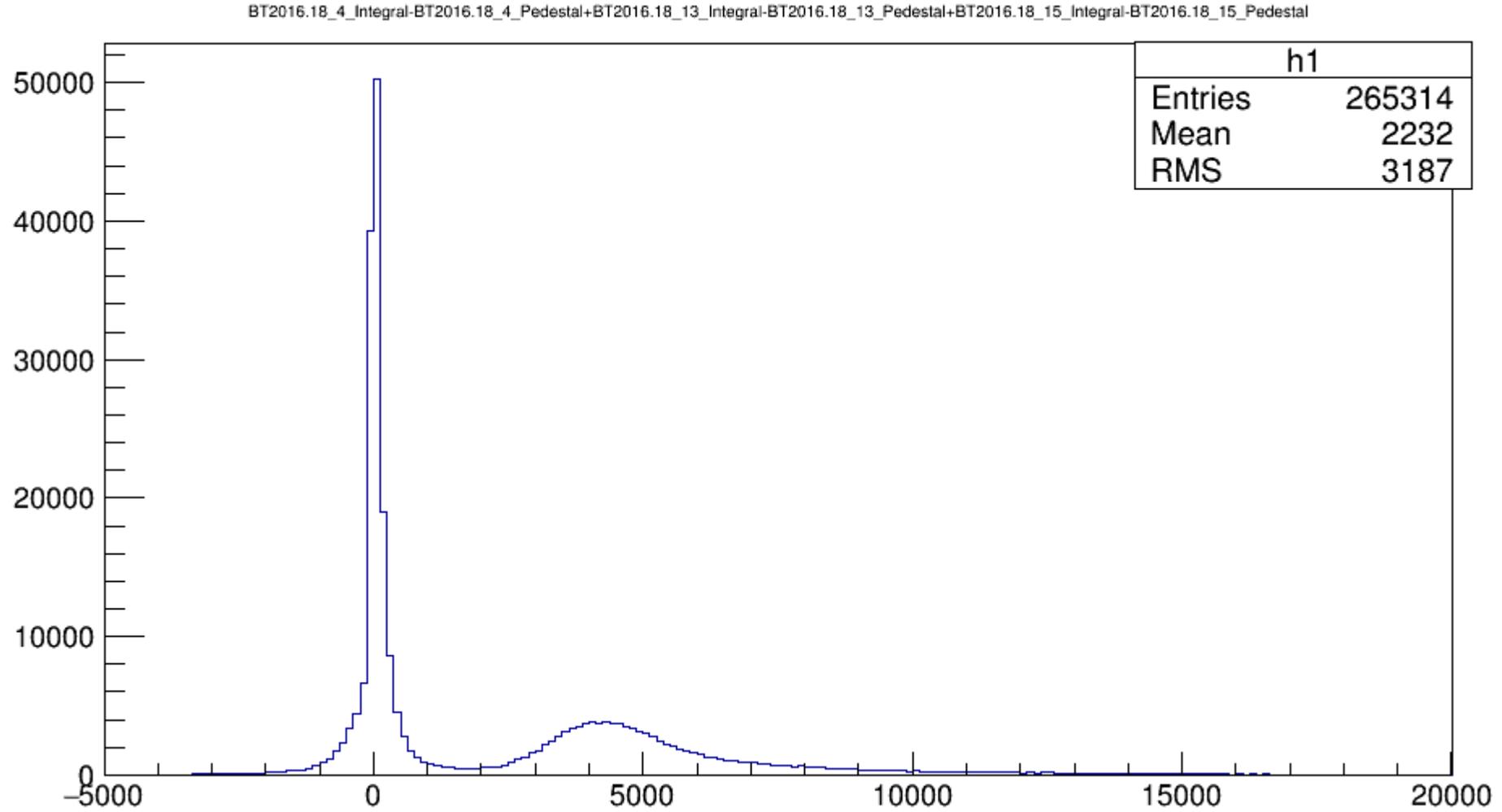
SDU #2 saturation peak(22000-24000)(one saturation point)



SDU #2 saturation peak(26000-31000)(two points)

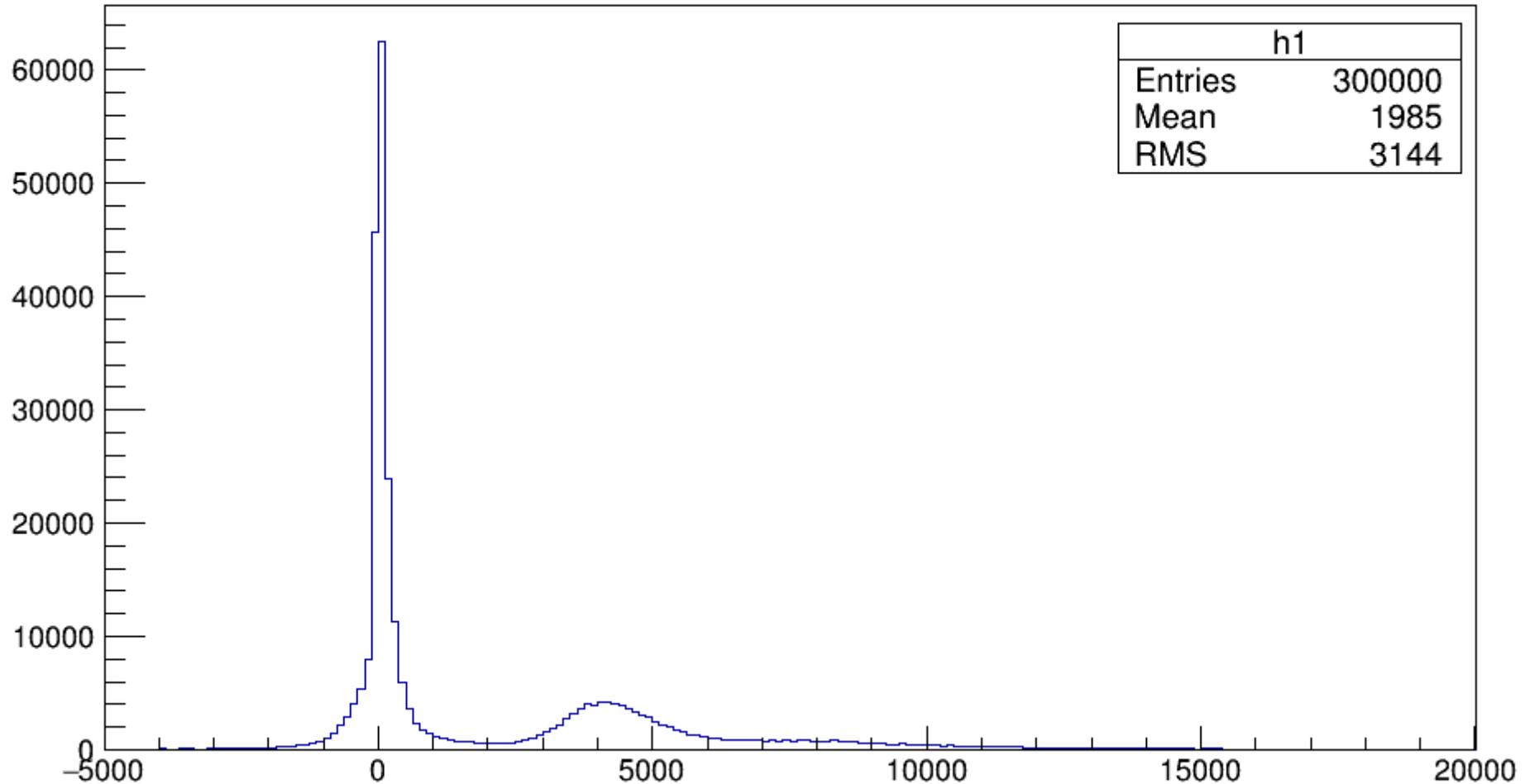


When only SDU#2 in trigger, SUM of three
preshower(notice:not same run showed above)



When only SDU#1 in trigger, SUM of three preshower

BT2016.18_4_Integral-BT2016.18_4_Pedestal+BT2016.18_13_Integral-BT2016.18_13_Pedestal+BT2016.18_15_Integral-BT2016.18_15_Pedestal



When only THU module in trigger, SUM of three preshower

BT2016.18_4_Integral-BT2016.18_4_Pedestal+BT2016.18_13_Integral-BT2016.18_13_Pedestal+BT2016.18_15_Integral-BT2016.18_15_Pedestal

