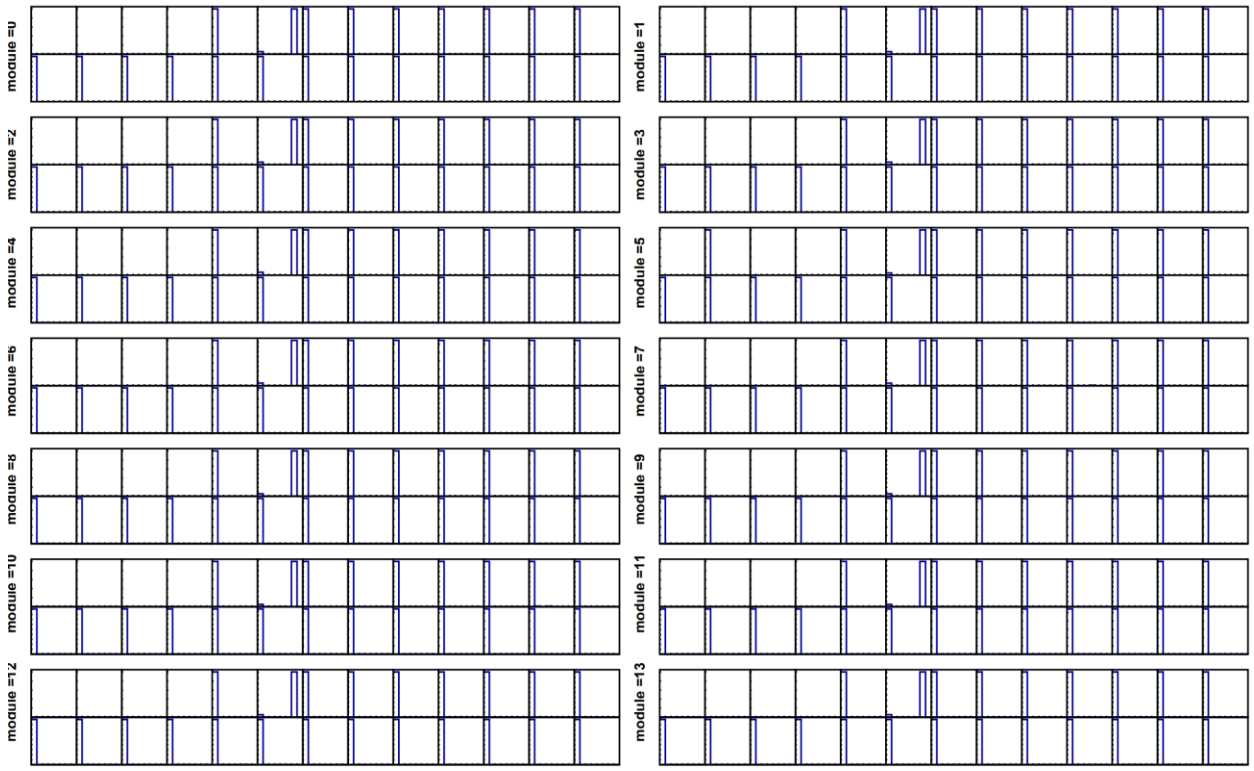
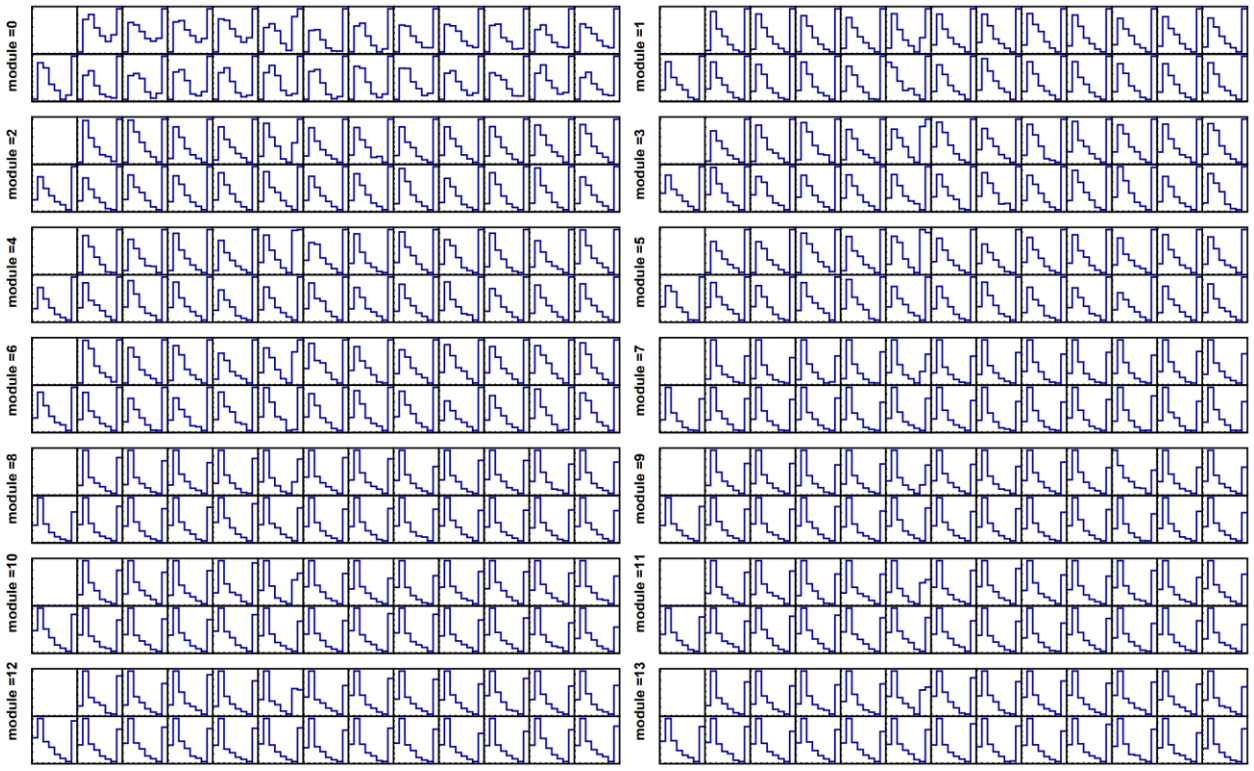
Modebit Scan

The ADC distribution on the right shows the signal from the collision.
The ADC distribution on the left is for out of collision.
In the plot shown in the next slide, I made it from chip1~13 (bottom row) for all modules.
Time in plots in next page were made based on integrated average of hits in chips1~13



Run#8117(Modebit=78,n_collision=0)



Run#8118(Modebit=76,n_collision=0)

- The figure was created from the ModebitScan results.The horizontal axis is Modebit and the vertical axis is average hit/event.
- The left figure shows ModebitScan between 60~82 with n_collision=2, and it is confirmed that there is peaks at Modebit=76,78.
- Next, we changed the range to 71-81 to match the peak and scanned with n_collision=0. The right figure shows the result, and it is confirmed that there is a peak at Modebit=76
- When scanning with n_collision=2, Modebit=78 had BCOs taking data at 78,77,76, and Modebit=76 had BCOs taking data at 76,75,74, so the both data show similer hits at 78 and 76.

This result suggests that the time in at Modebit=76.