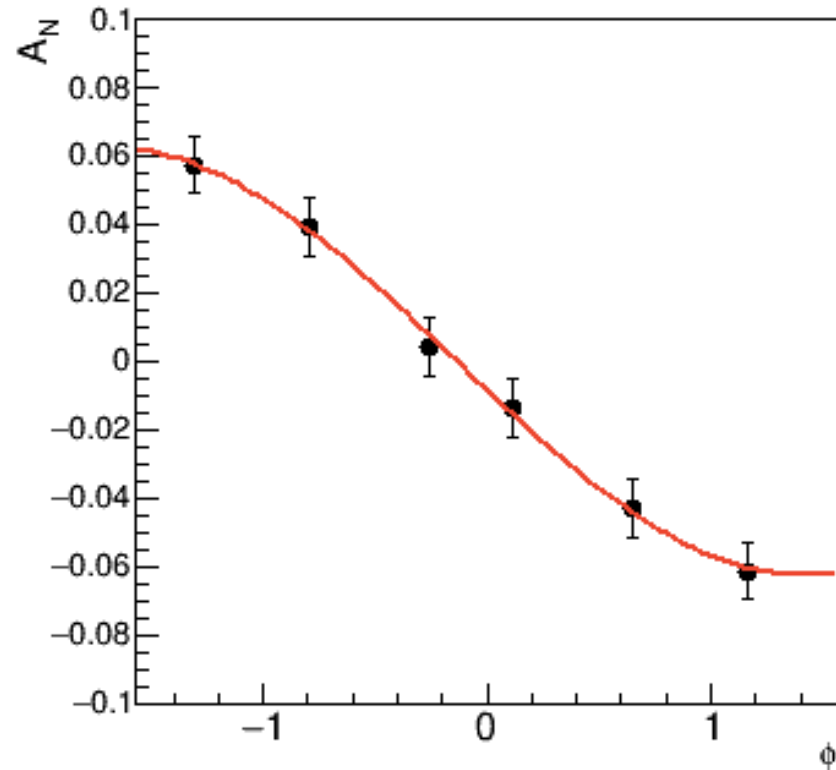
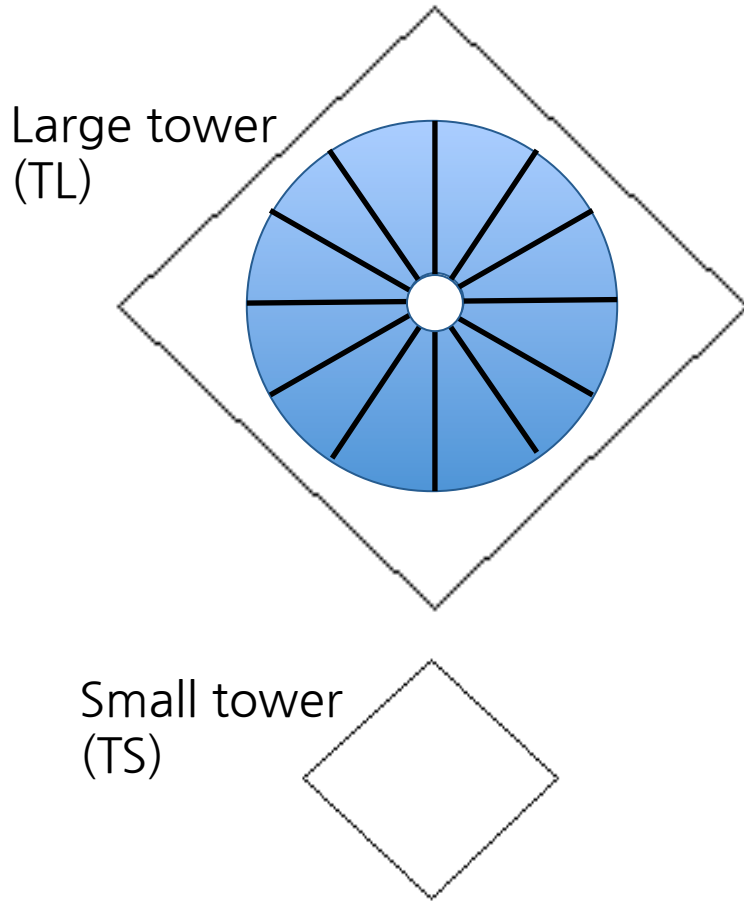


Neutron analysis status

02 Sep 2021
Minho Kim

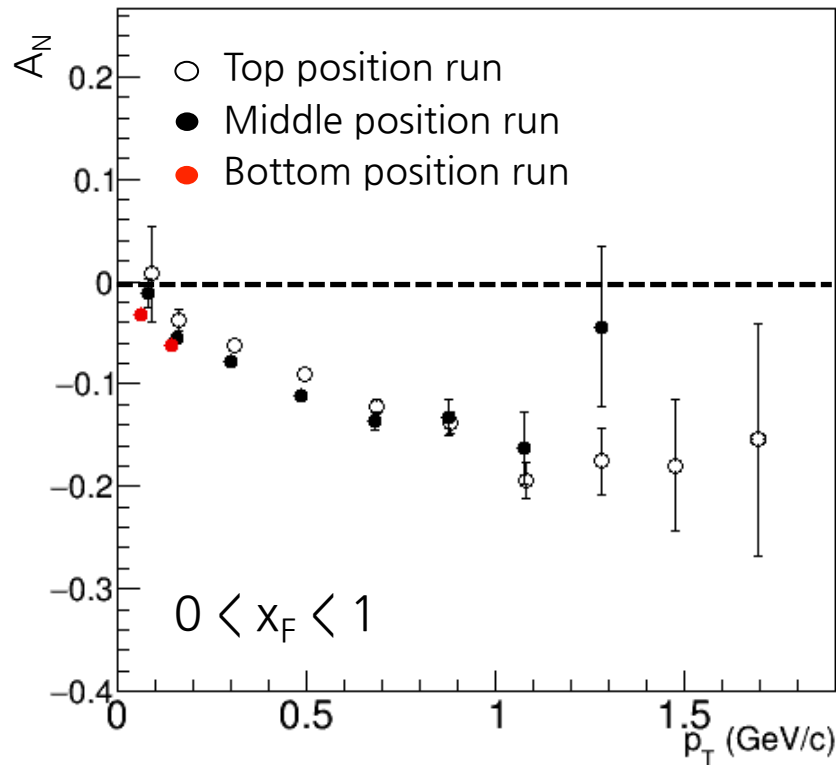
Azimuthal angular modulation



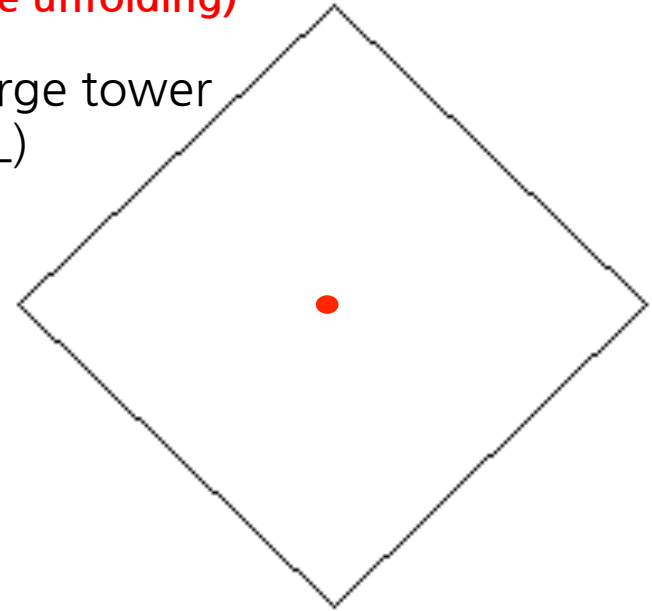
- For TL analysis at this run, regions of $r = 2 \sim 16$ mm from the beam center was chosen for the angular modulation.
- The A_N was calculated using square-root formula with 30 degree of interval.

Azimuthal angular modulation

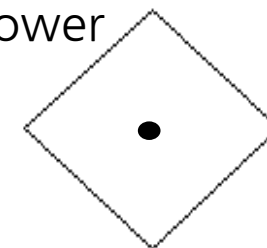
Only large tower results were shown (before unfolding)



Large tower
(TL)



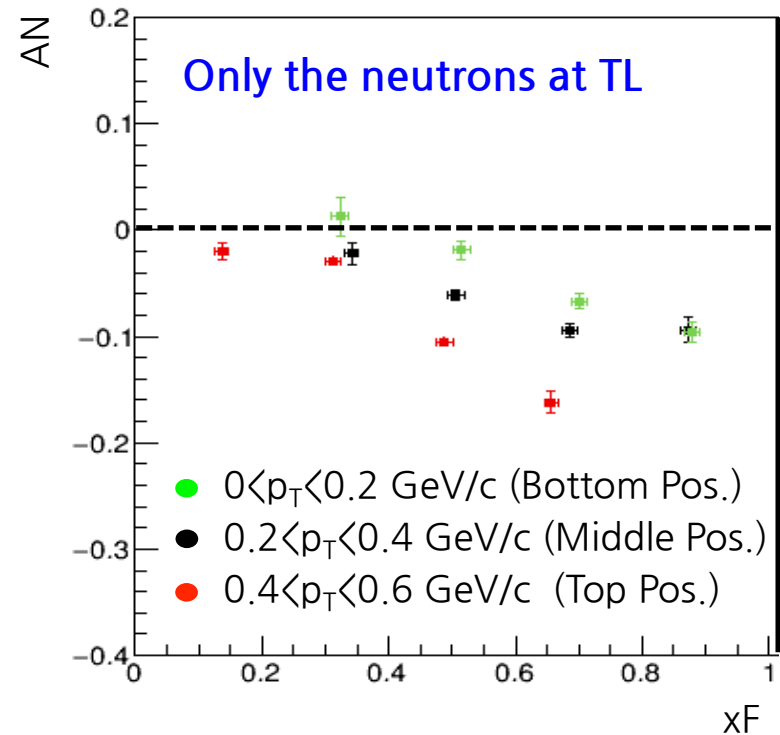
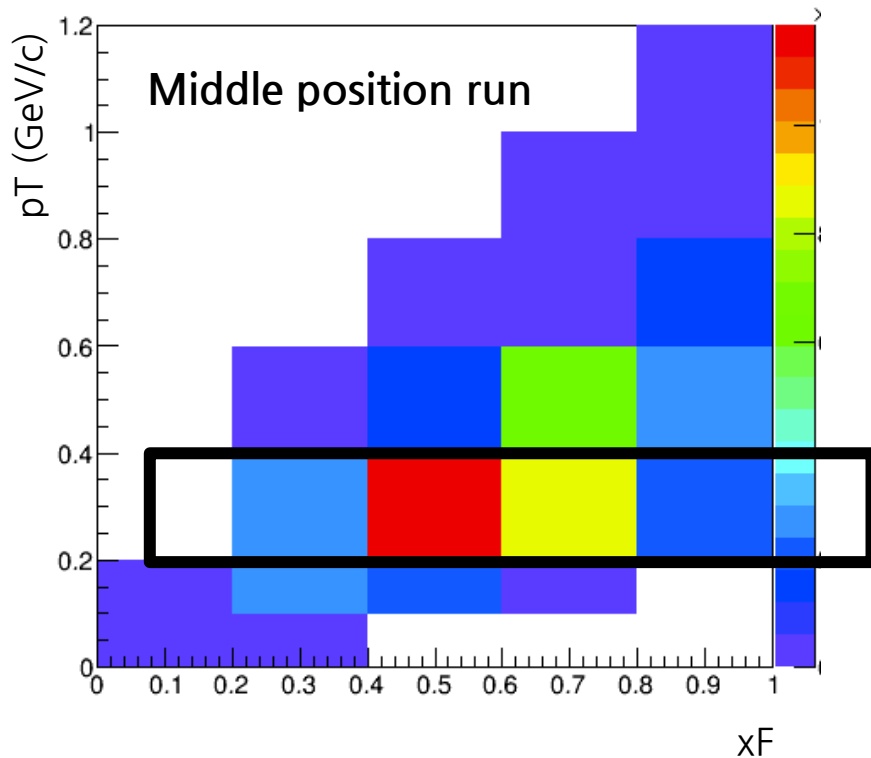
Small tower
(TS)



○

- The data looks consistent with each other. The azimuthal modulation looks ok.
- Each 30 degree of interval regions will be unfolded separately.

A_N as a function of x_F



- Short p_T ranges were chosen in each run to study the x_F dependence for the neutron A_N .
- We can see the x_F dependence, but it can be a part of p_T one.
- More precise unfolding and addition of systematic uncertainty will be proceeded soon.