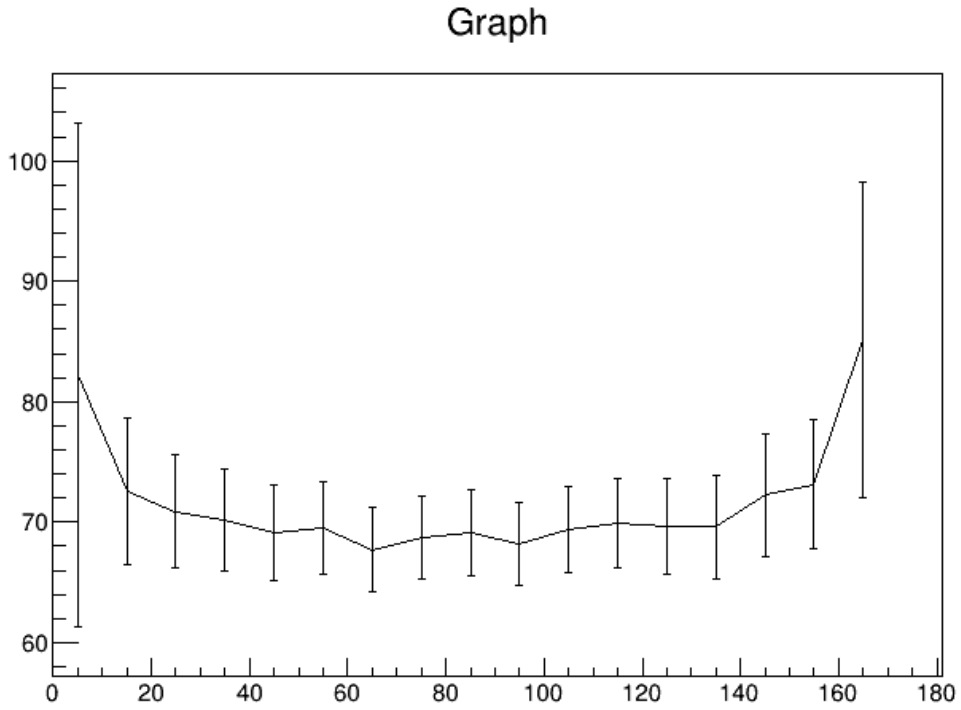
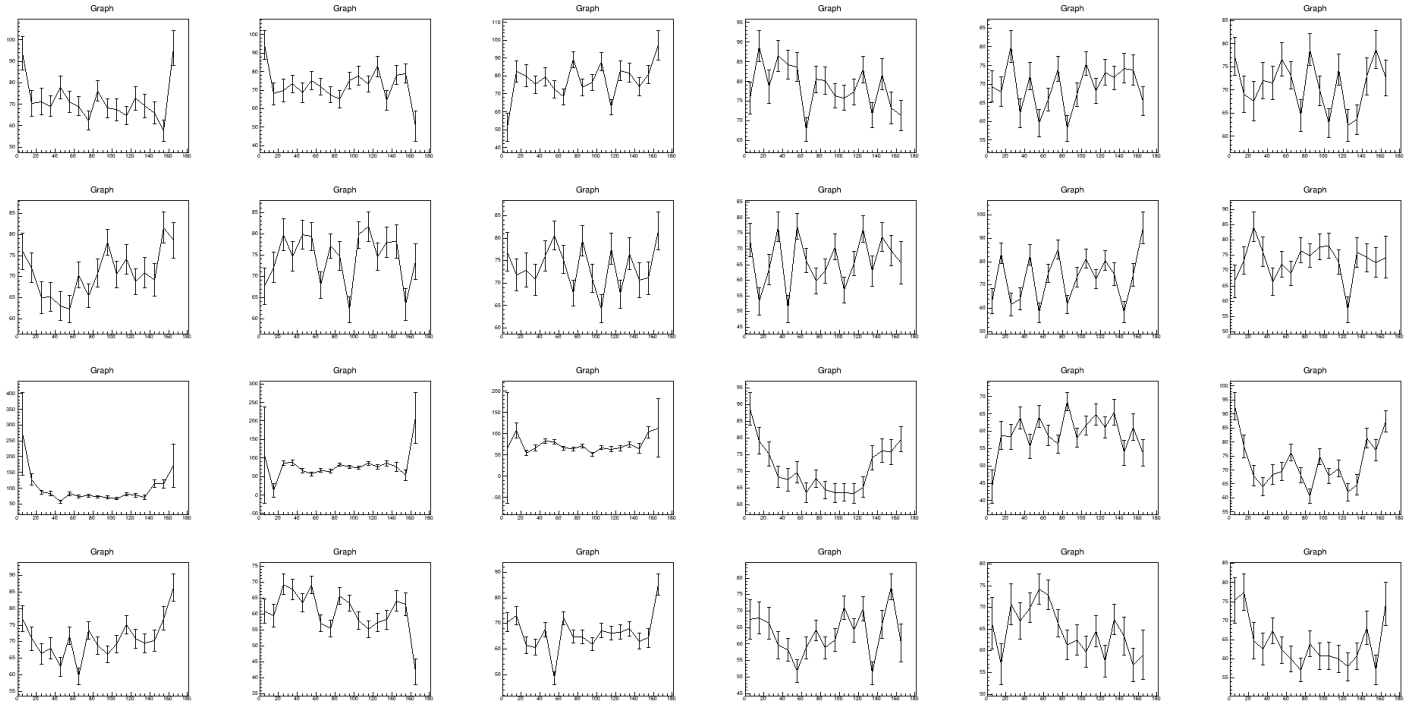
190527

ByungChan lee

Time Resolution – Position Dependence

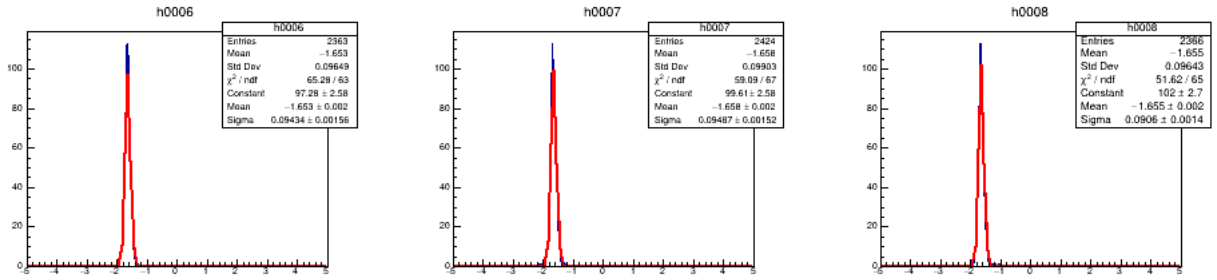




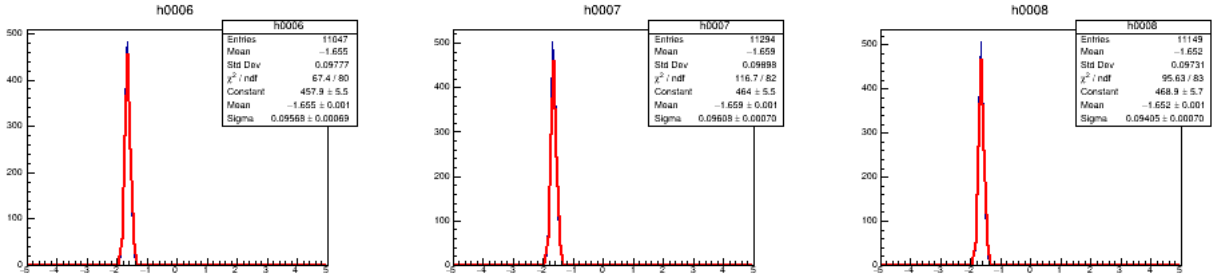
- FADCT_000747 / # of events : 208,344

Time Resolution – Position Dependence

- Event Selection
  - Hit N = 12
  - Cosine > 0.95
  - Chi^2 / NDF < 4
- FADCT_000800
  - # of events : 7,041,984
- Increasing number of events decreases the error of sigma value



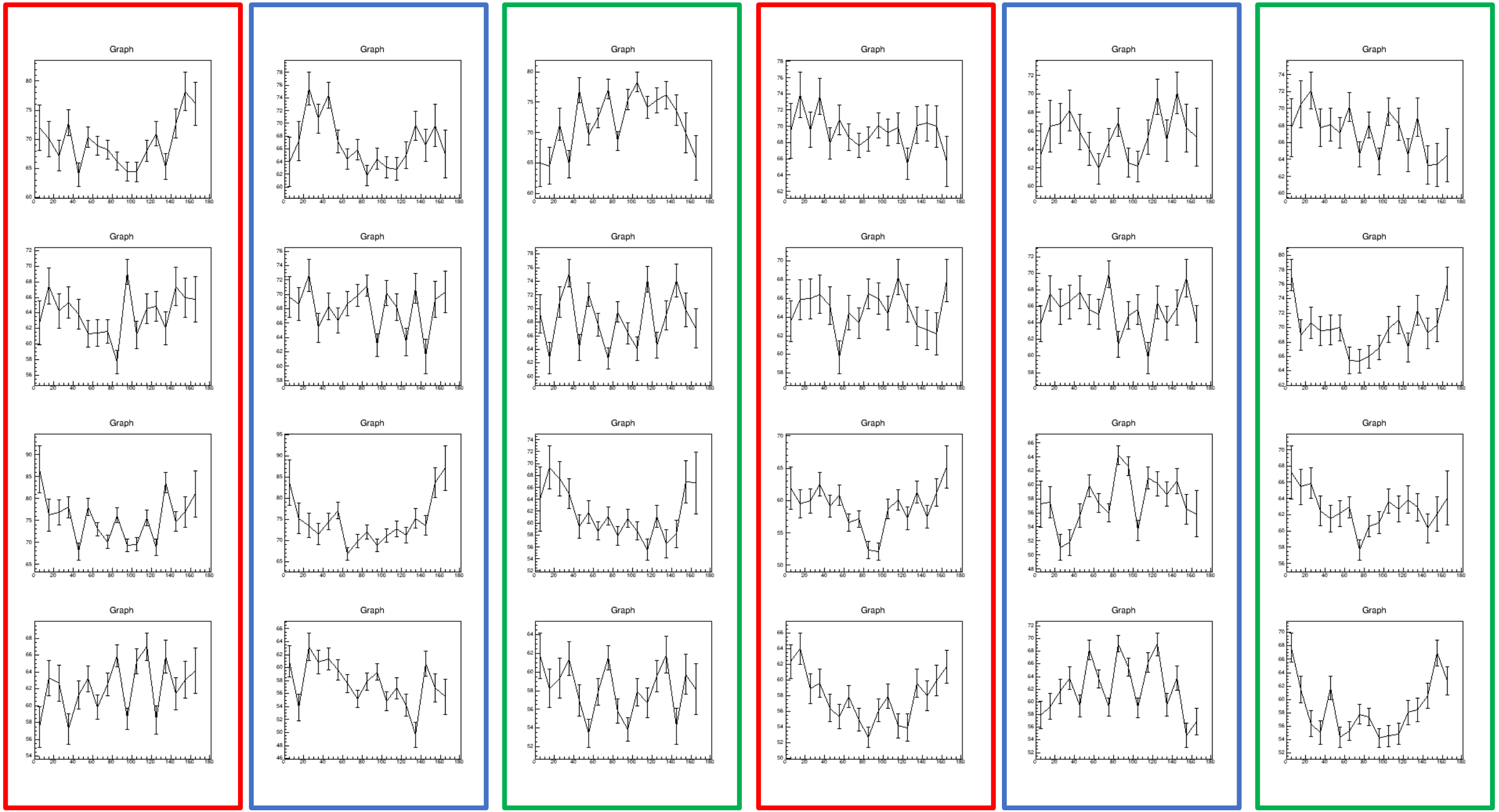
# of events 1,500,000



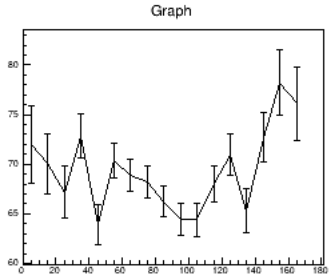
# of events 7,041,984

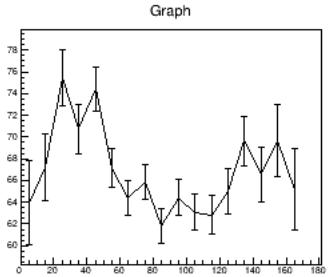
Time Resolution – Position Dependence

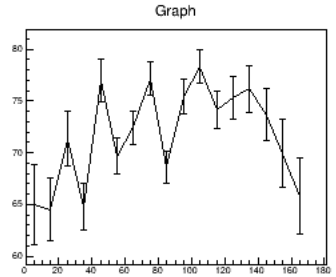
- T mean[Bar 1] – T mean[Bar 2]
  -> dT1
- T mean[Bar 2] – T mean[Bar 3]
  -> dT2
- T mean[Bar 3] – T mean[Bar 1]
  -> dT3

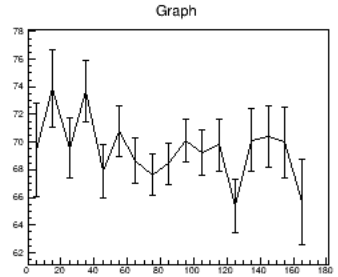

Graph

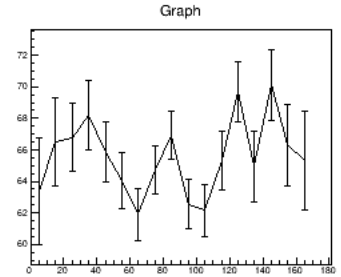
Time Resolution – 24 bars

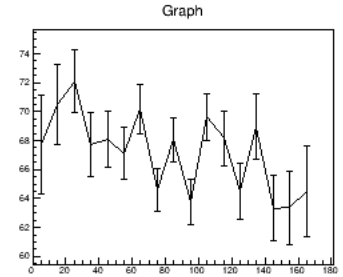


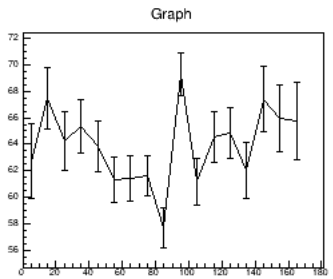


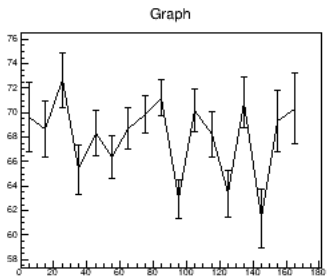


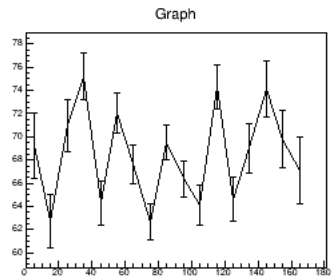


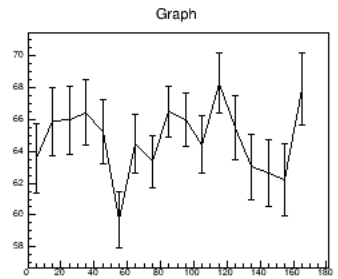


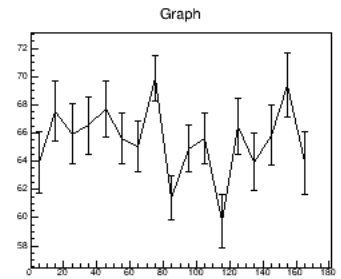


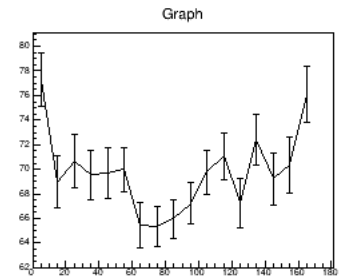


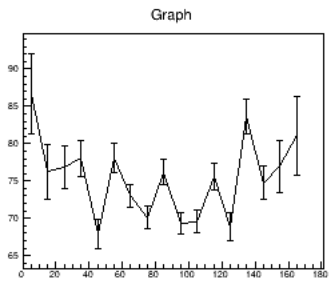


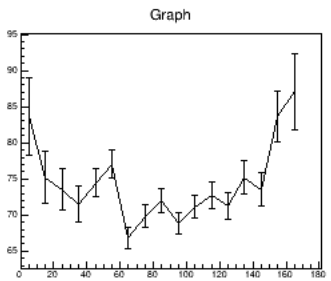


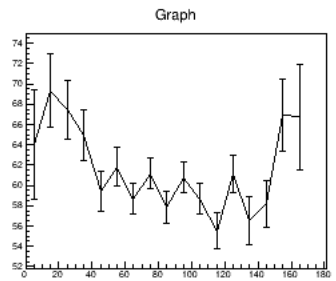


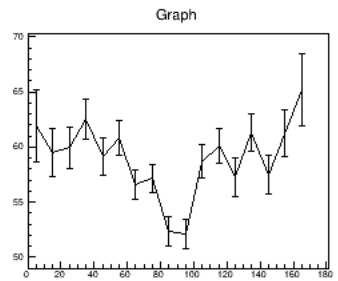


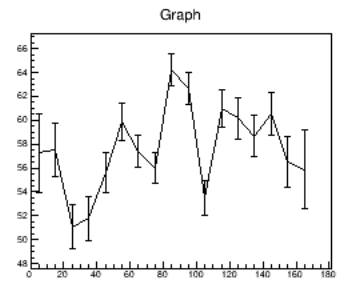


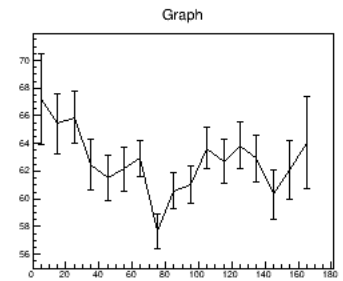


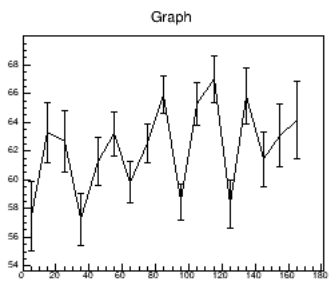


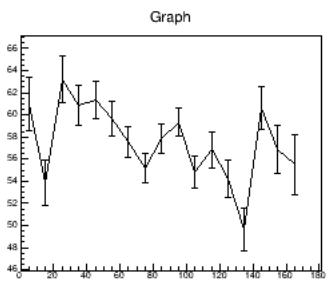


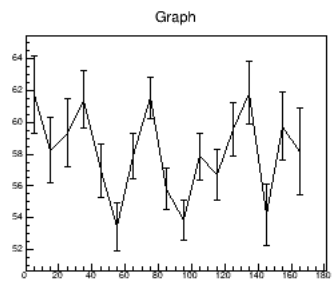


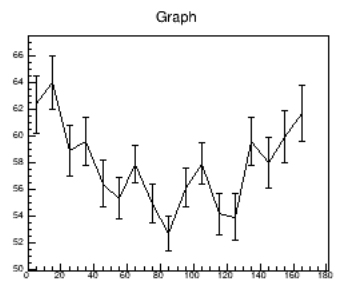


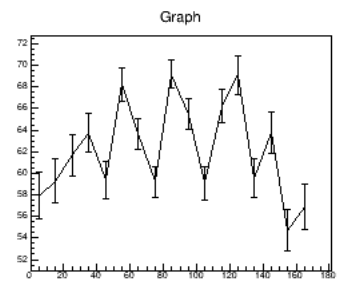


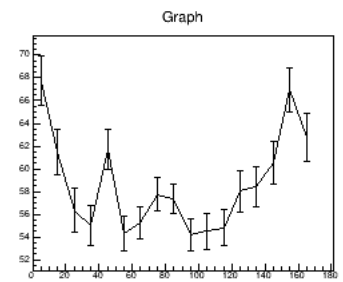


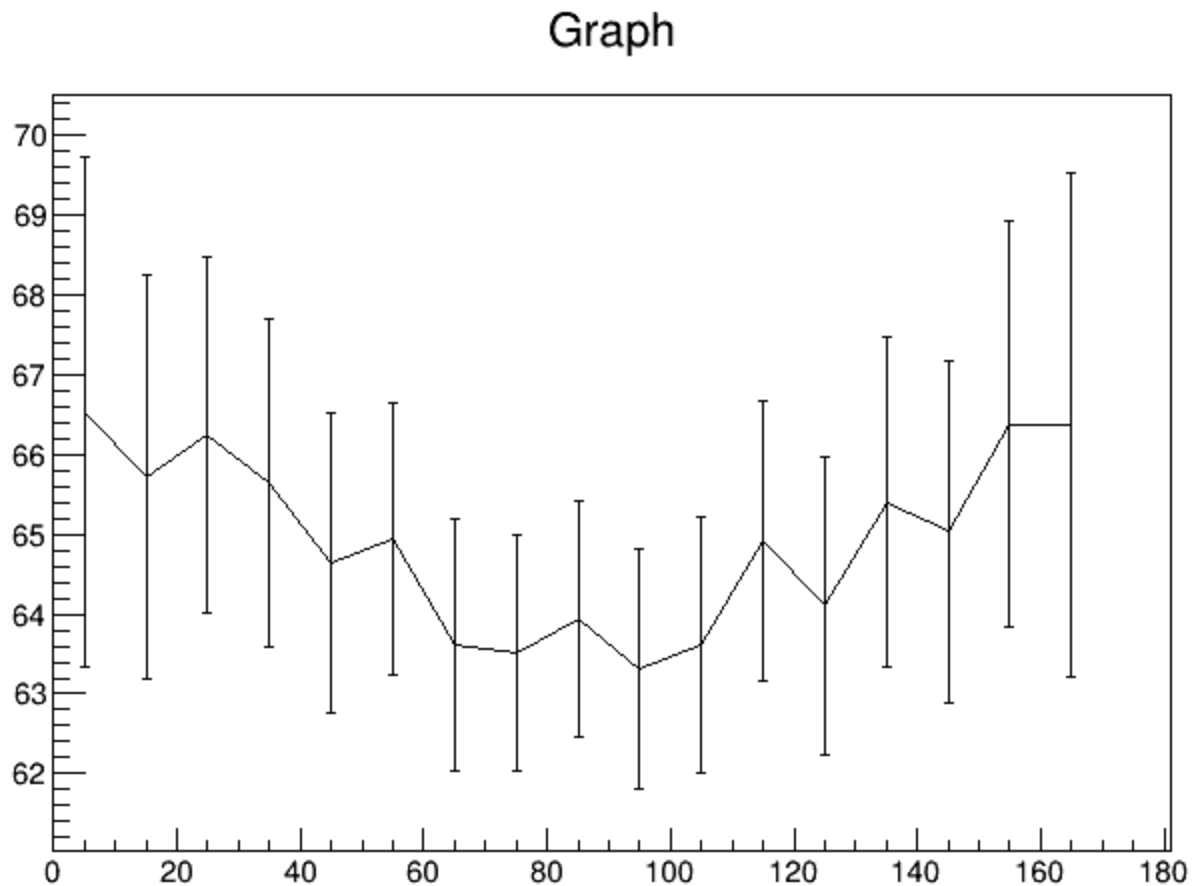






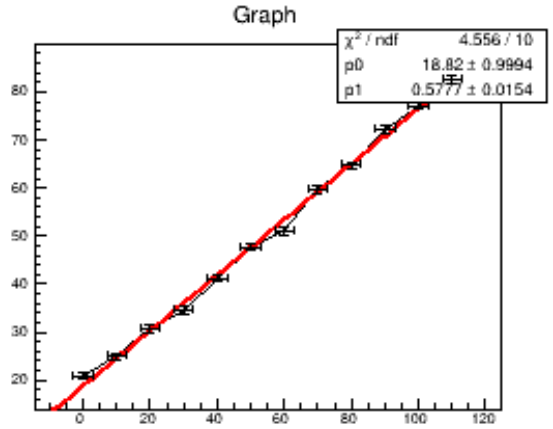
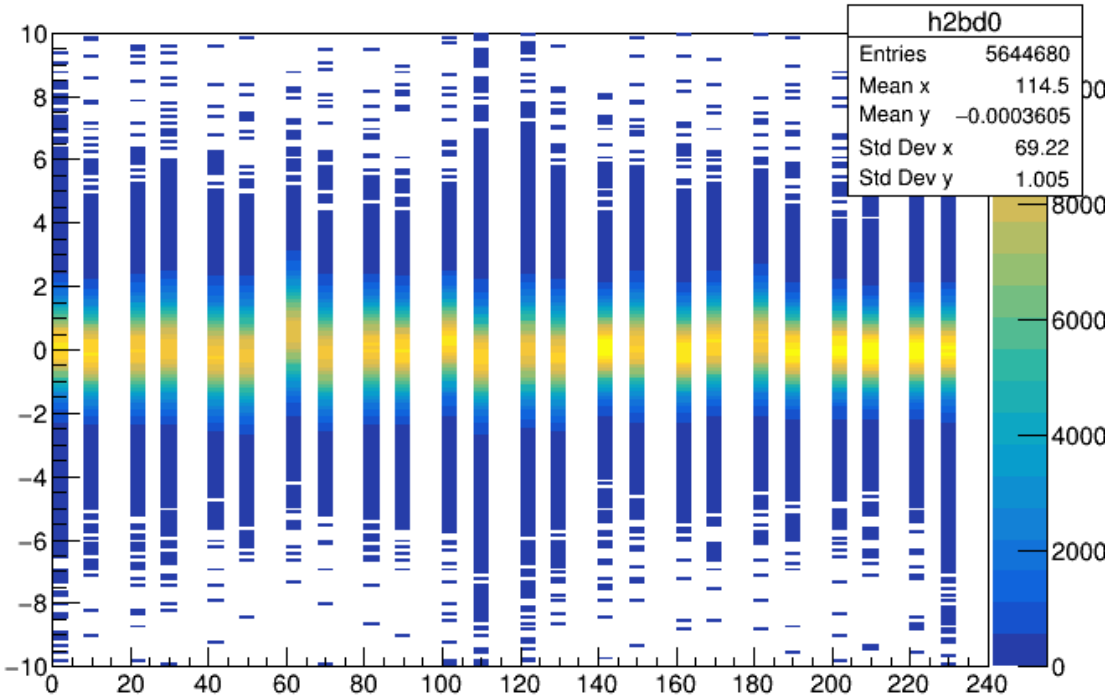





Graph
70
69
68
67
66
65
64
63
62
0
20
40
60
80
100
120
140
160
180

Time Resolution – Position Dependence

- Can the position uncertainty affect the time resolution?



Residue distribution