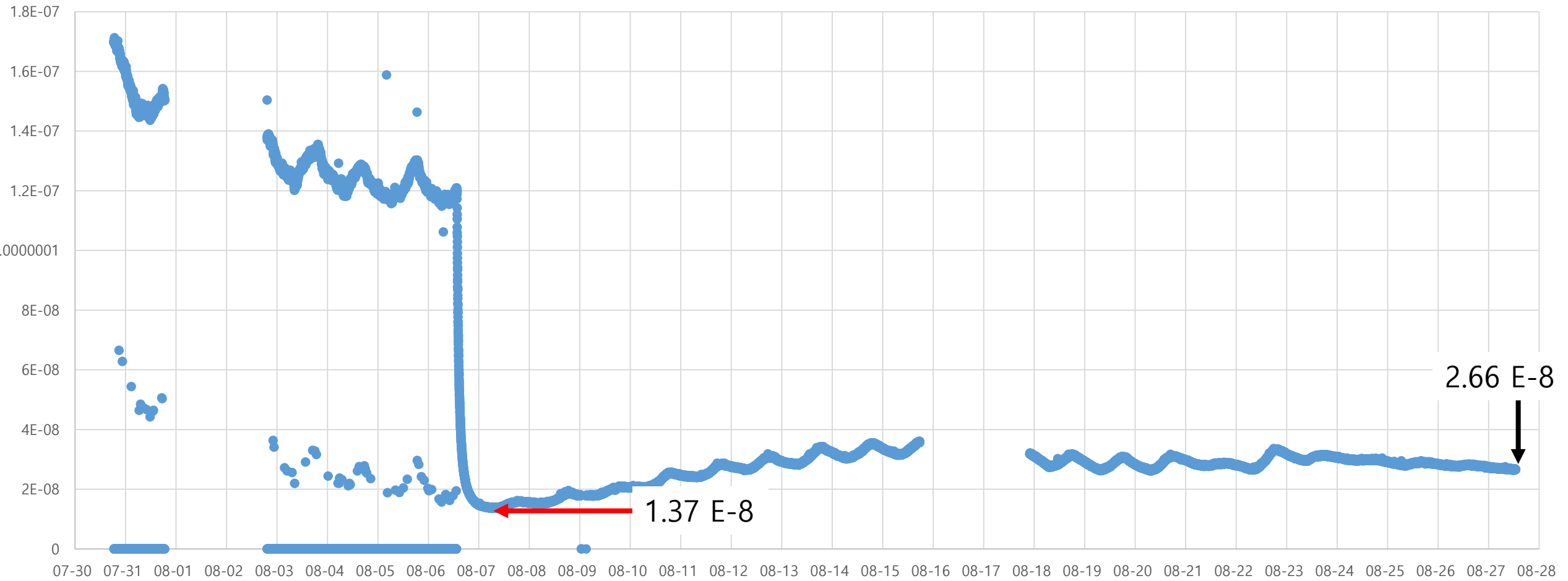
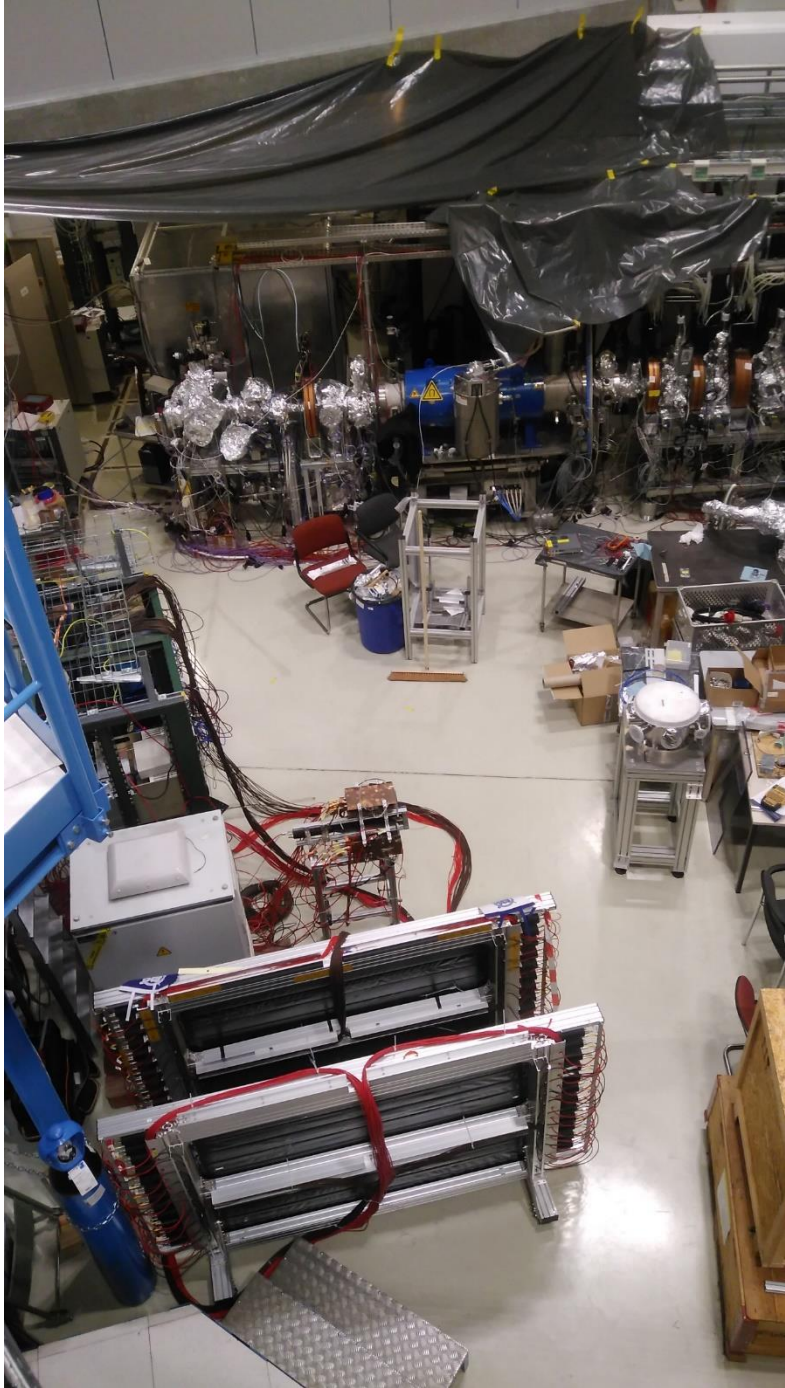


Trap

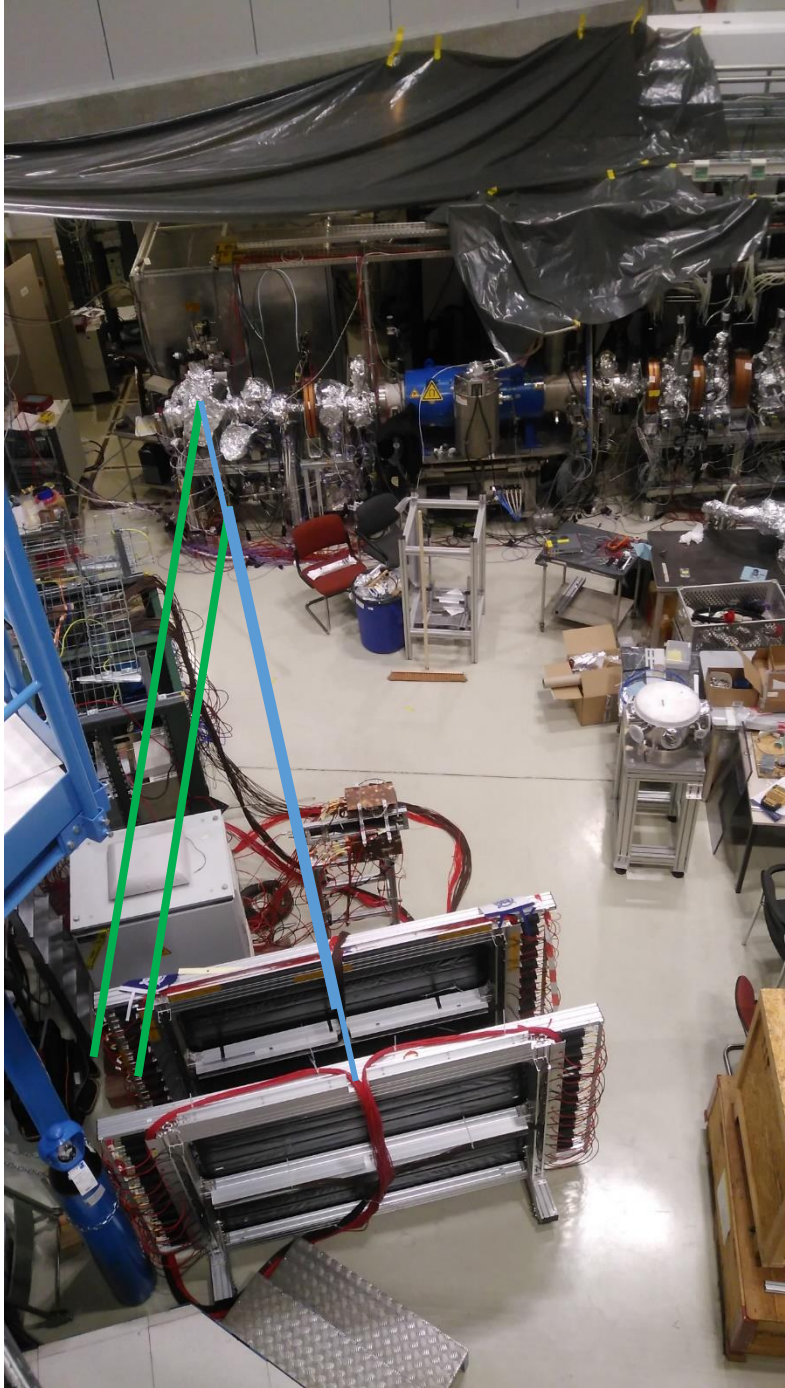
Pressure (torr)

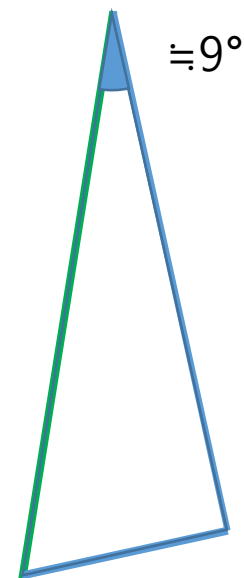
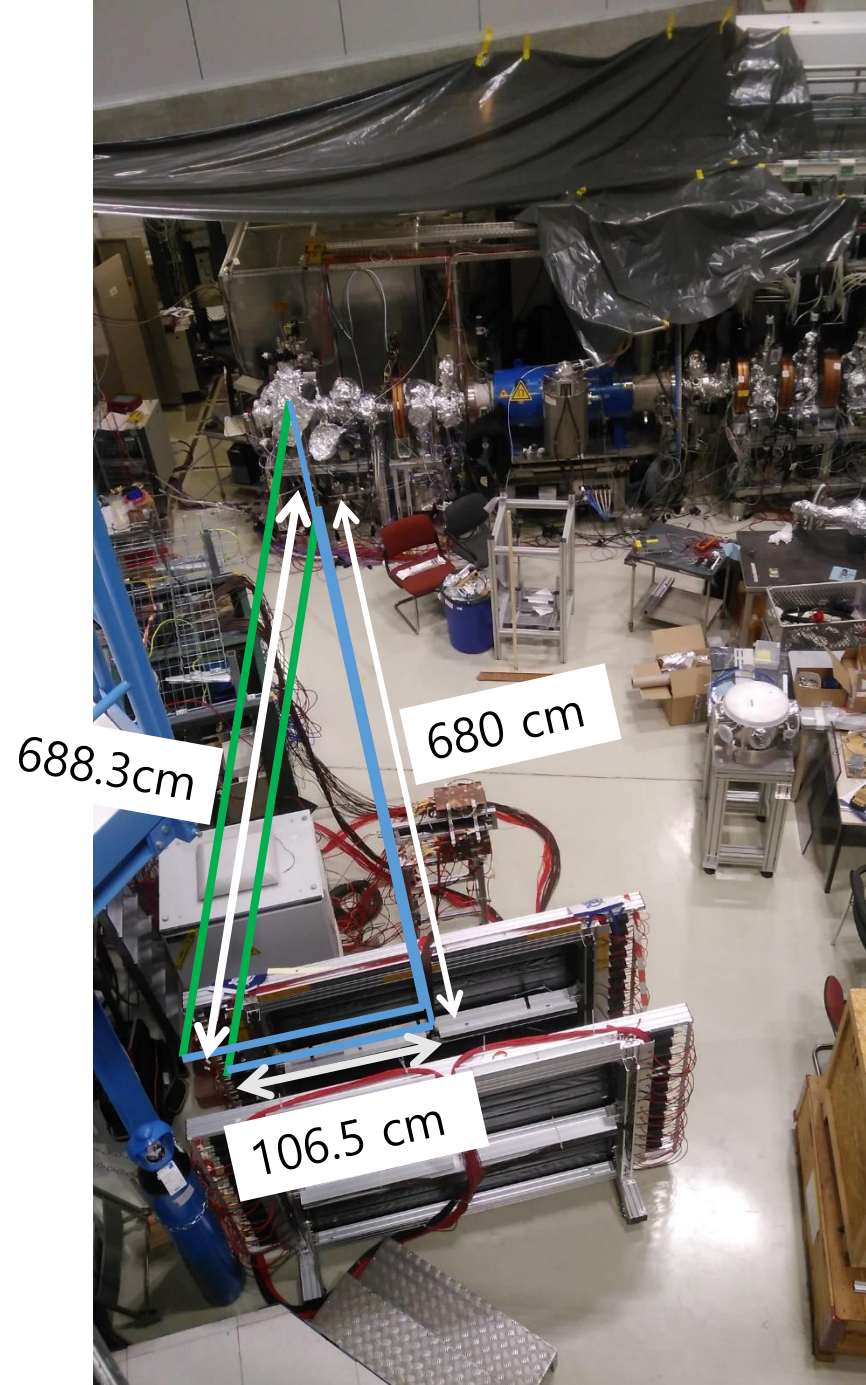


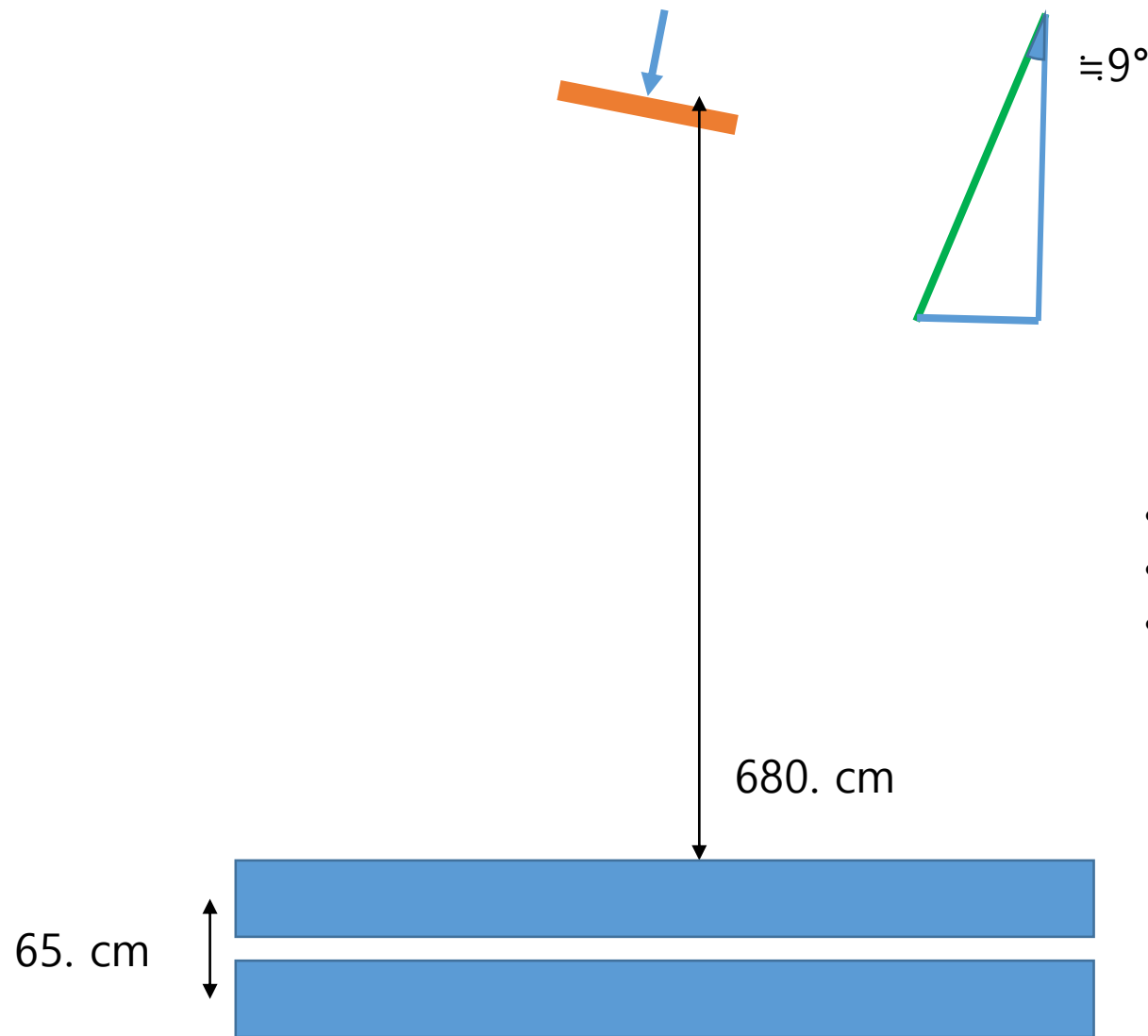
ToF





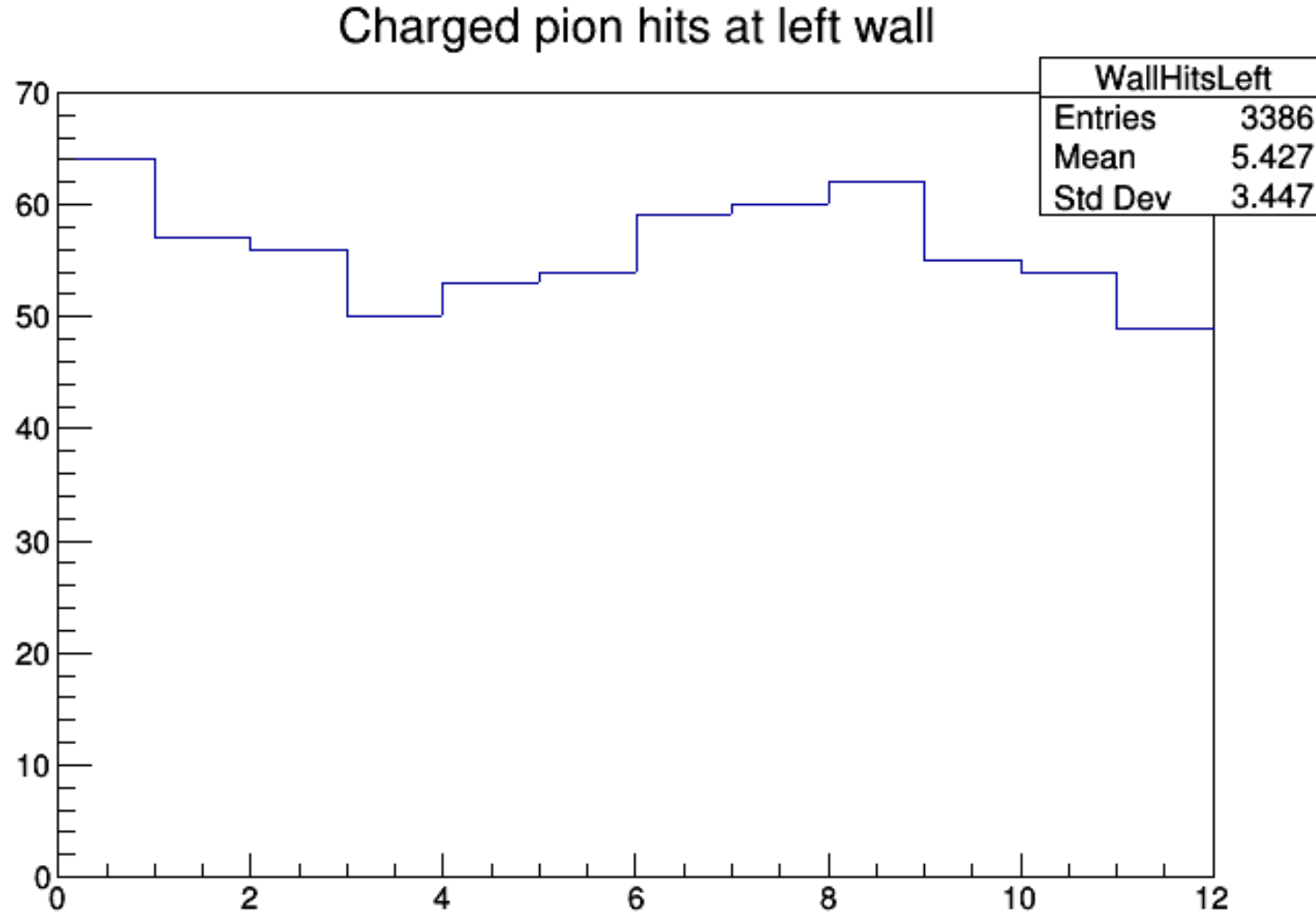






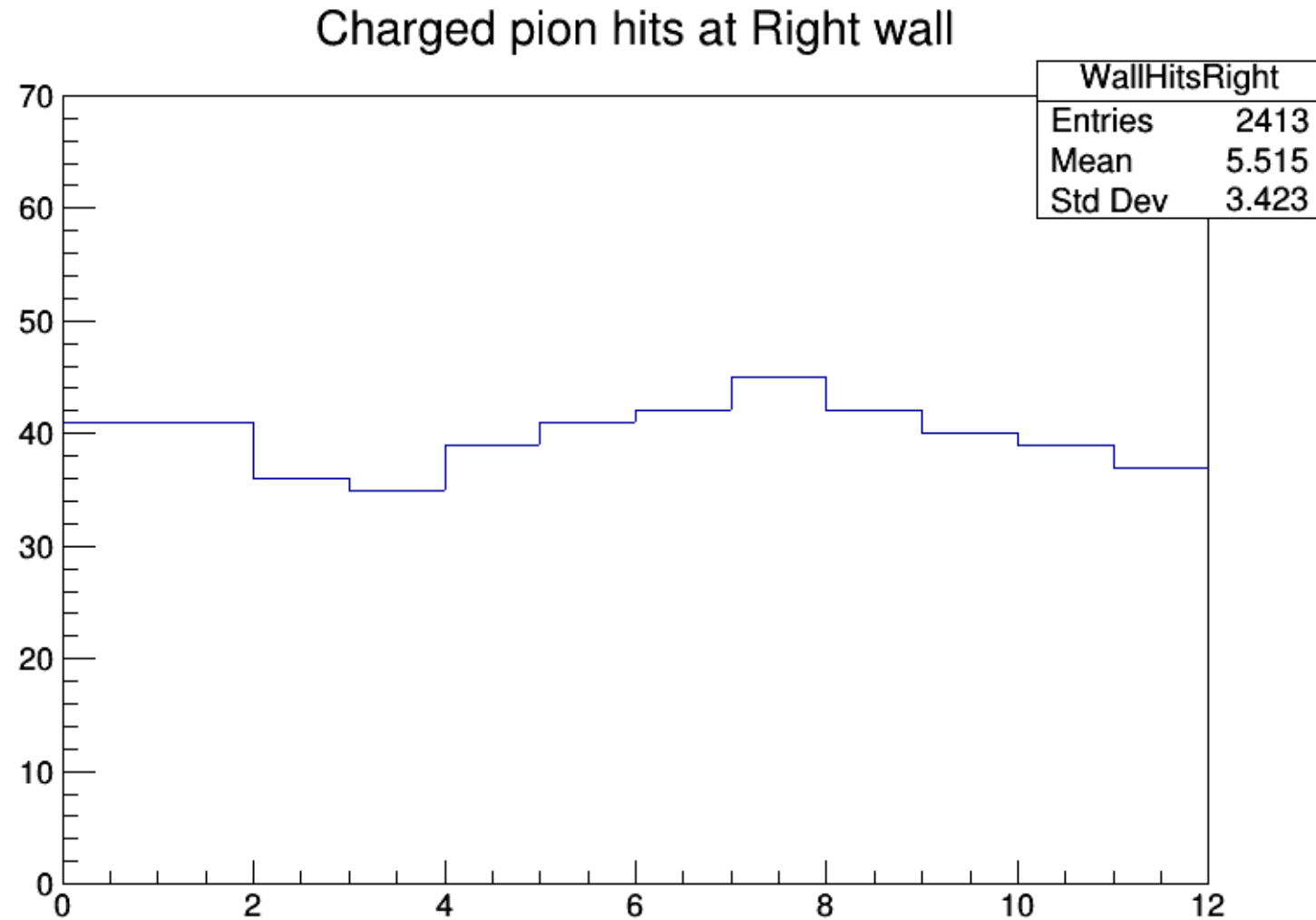
- 높이는 ToF 의 중심이 MCP의 20cm 위
- Beam Type: Mix
- Event Window: 10ms

Simulation



$\bar{p}$: 1E+5 개

Simulation



$\bar{p}$: 1E+5 개

```
### Total Event: 500000
### End analysis
### Pion Plus Counter: 2283
### Pion Minus Counter: 3516
### Pion 0 Counter: 0
```

```
Wall: 0
```

```
Bar0: 320
Bar1: 285
Bar2: 282
Bar3: 251
Bar4: 266
Bar5: 272
Bar6: 296
Bar7: 303
Bar8: 313
Bar9: 279
Bar10: 272
Bar11: 247
```

```
total Wall 0 0
```

```
Wall: 1
```

```
Bar0: 208
Bar1: 205
Bar2: 184
Bar3: 178
Bar4: 198
Bar5: 205
Bar6: 211
Bar7: 225
Bar8: 214
Bar9: 204
Bar10: 196
Bar11: 185
```

```
total Wall 1 0
```

- charged pion 340개 $\rightarrow \bar{p}$ 5.74E+5 개
- Ch12번(Bar7번)

Geantino problem

```
*****
* G4Track Information:  Particle = geantino,  Track ID = 1,  Parent ID = 0
*****

Step#    X(mm)    Y(mm)    Z(mm) KinE(MeV)  dE(MeV) StepLeng TrackLeng  NextVolume ProcName
   0         0         0         0    1e+03      0         0         0    DetLRBars initStep
   1        850         0         0    1e+03      0        850        850      World Transportation
   2    1.2e+04         0         0    1e+03      0    1.12e+04    1.2e+04    OutOfWorld Transportation
### Event : 1
```