

Acceptance Update

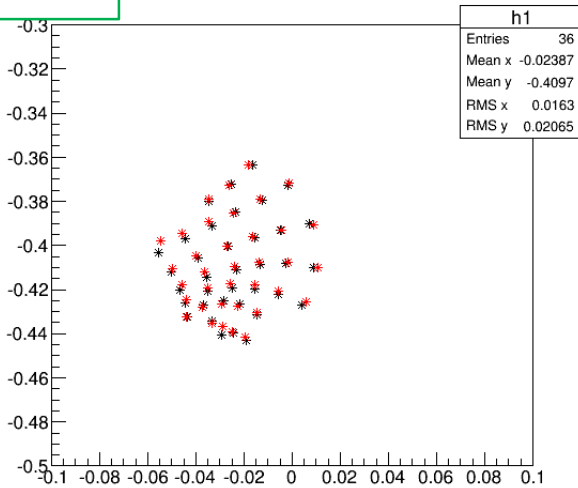
Min Huang

2/4/2015

- Project on to focal plane

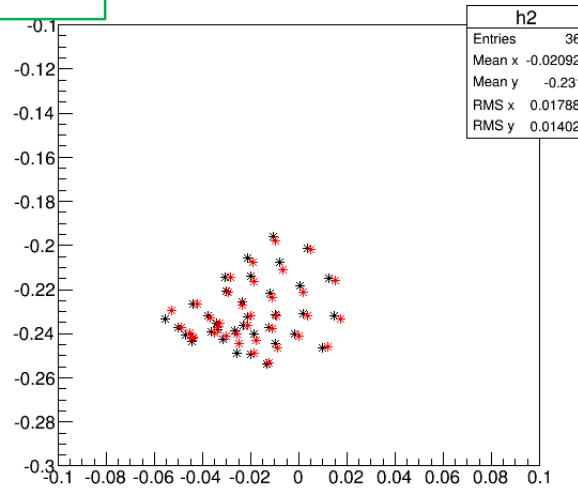
-3%

x vs y



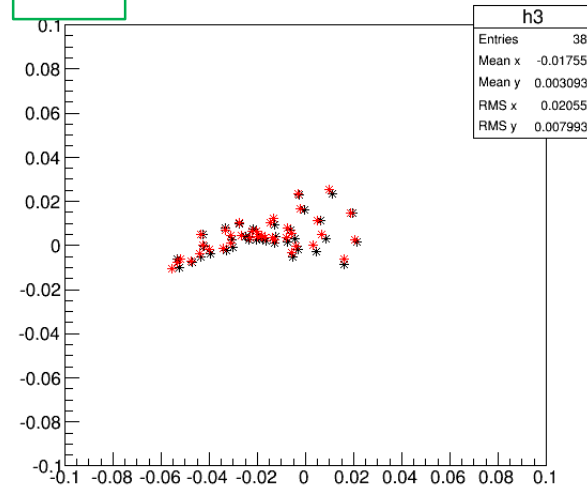
-2%

x vs y



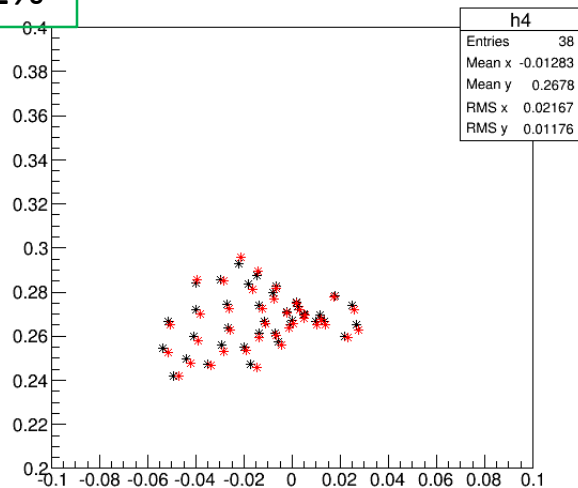
0%

x vs y



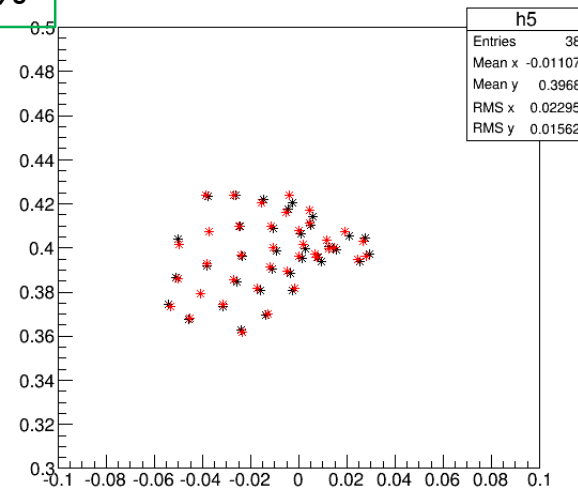
2%

x vs y



3%

x vs y

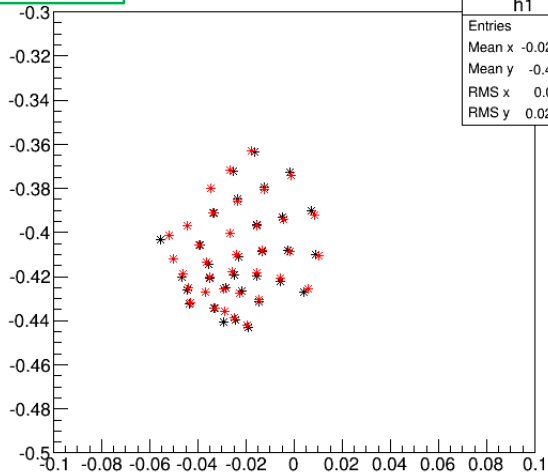


Improved the fitting @ virtual plane

- Project on to focal plane

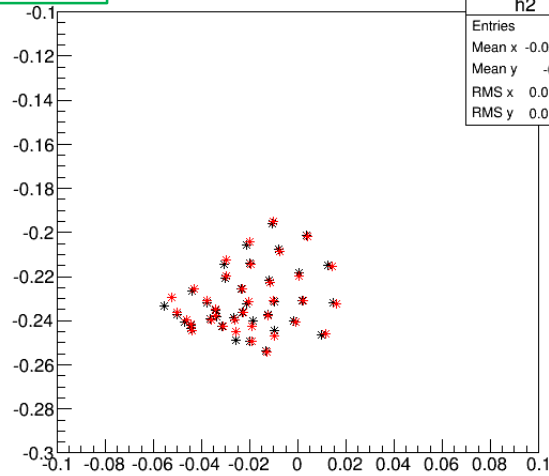
-3%

x vs y



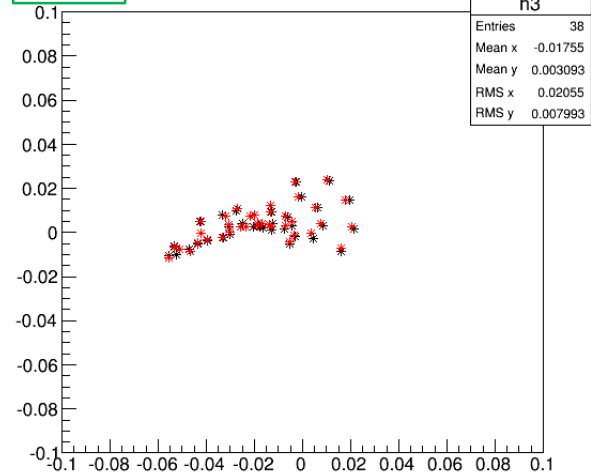
-2%

x vs y



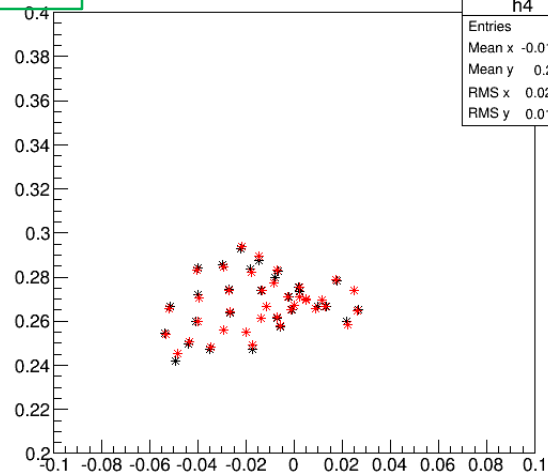
0%

x vs y



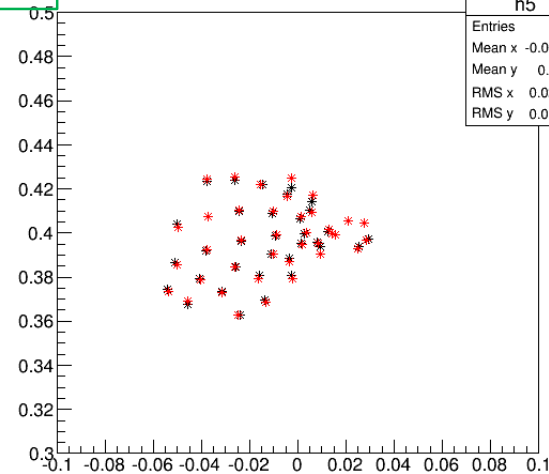
2%

x vs y



3%

x vs y

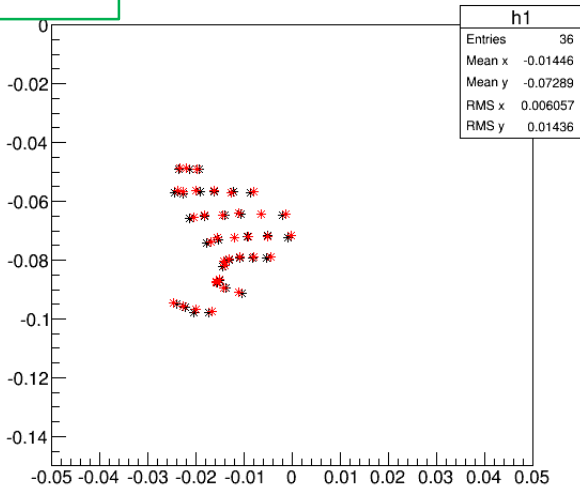


Last Time

- Project on to focal plane

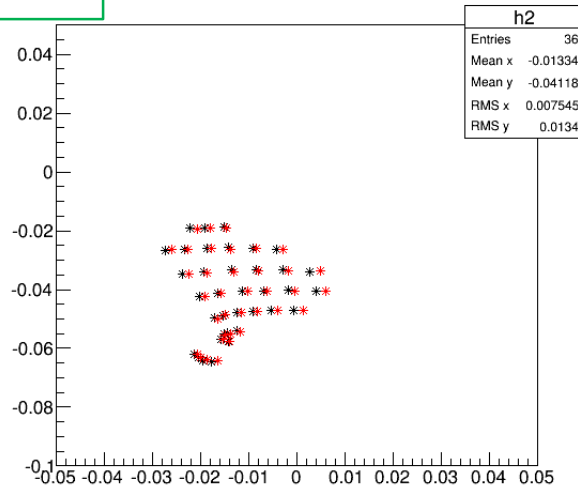
-3%

θ vs ϕ



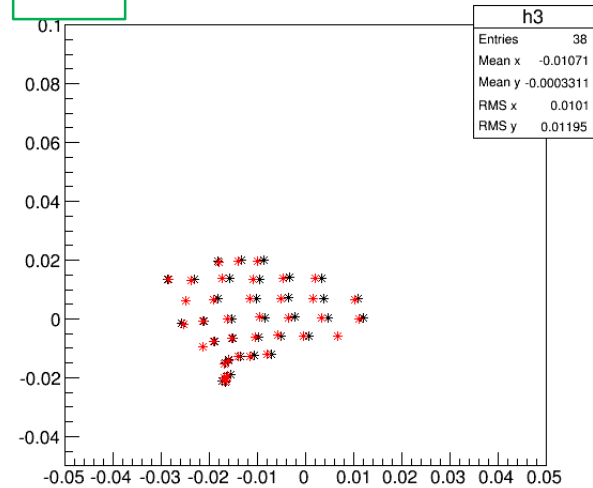
-2%

θ vs ϕ



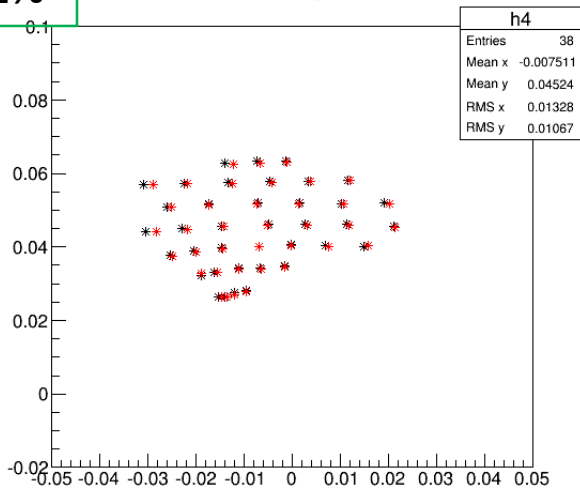
0%

θ vs ϕ



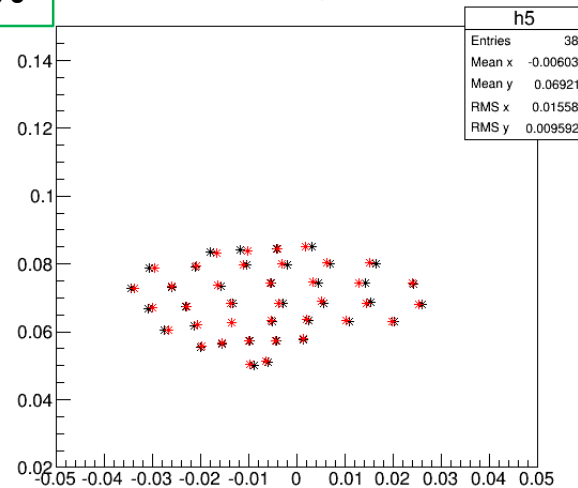
2%

θ vs ϕ



3%

θ vs ϕ

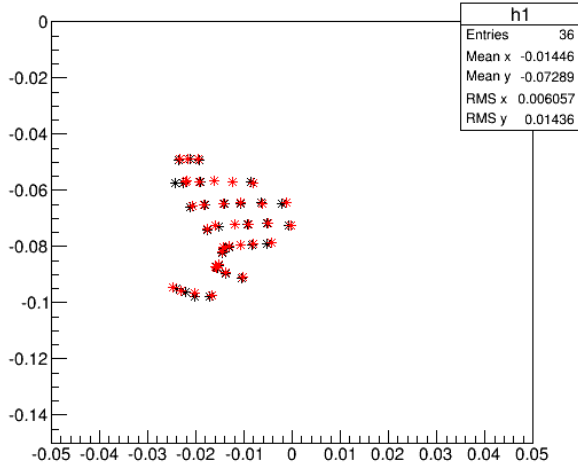


Improved the fitting @ virtual plane

- Project on to focal plane

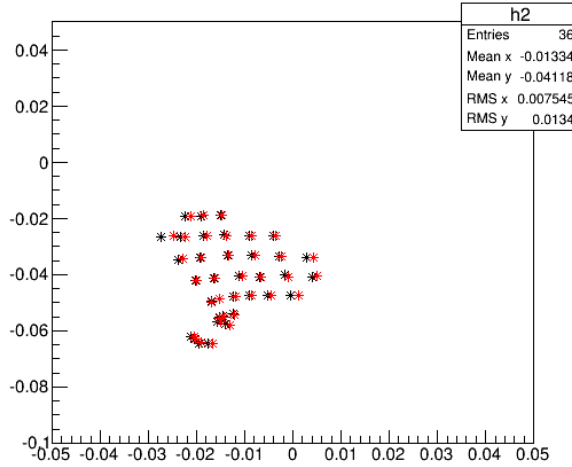
-3%

θ vs ϕ



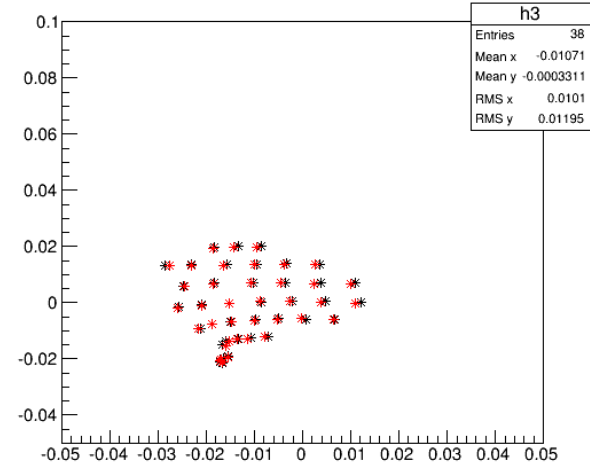
-2%

θ vs ϕ



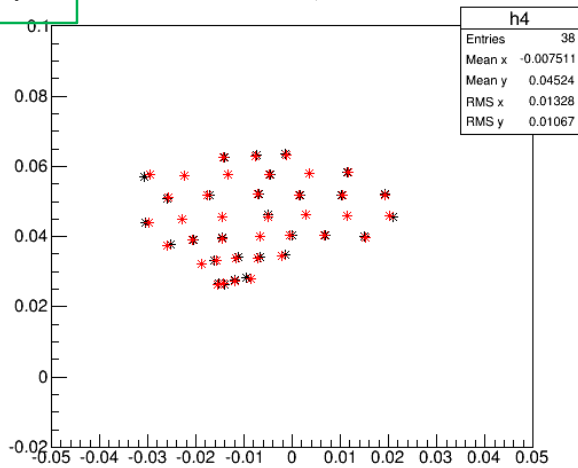
0%

θ vs ϕ



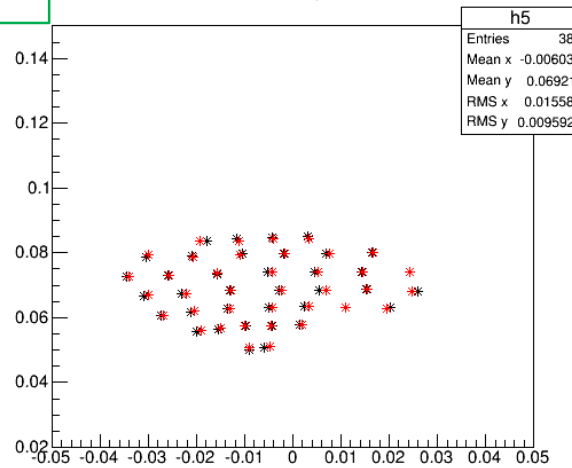
2%

θ vs ϕ



3%

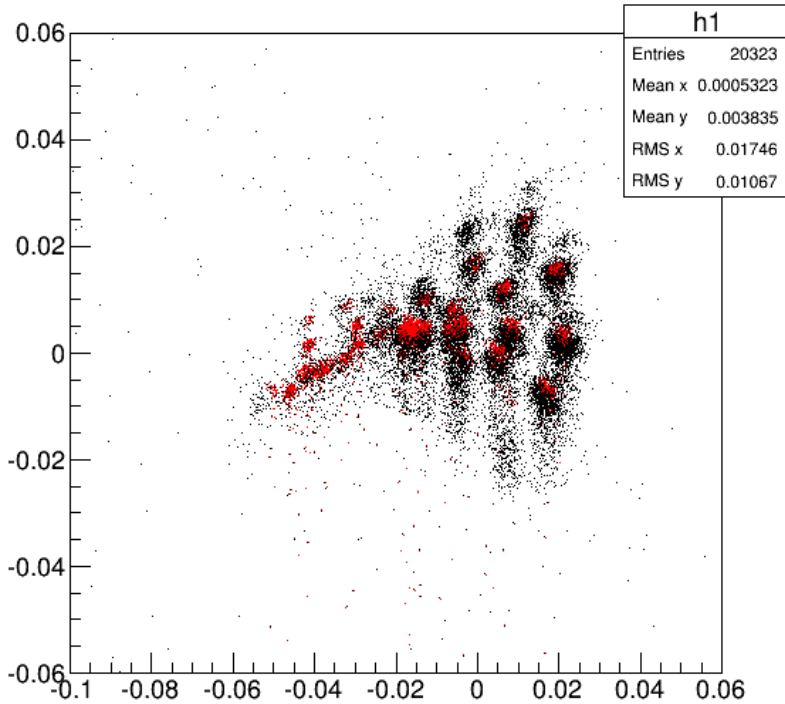
θ vs ϕ



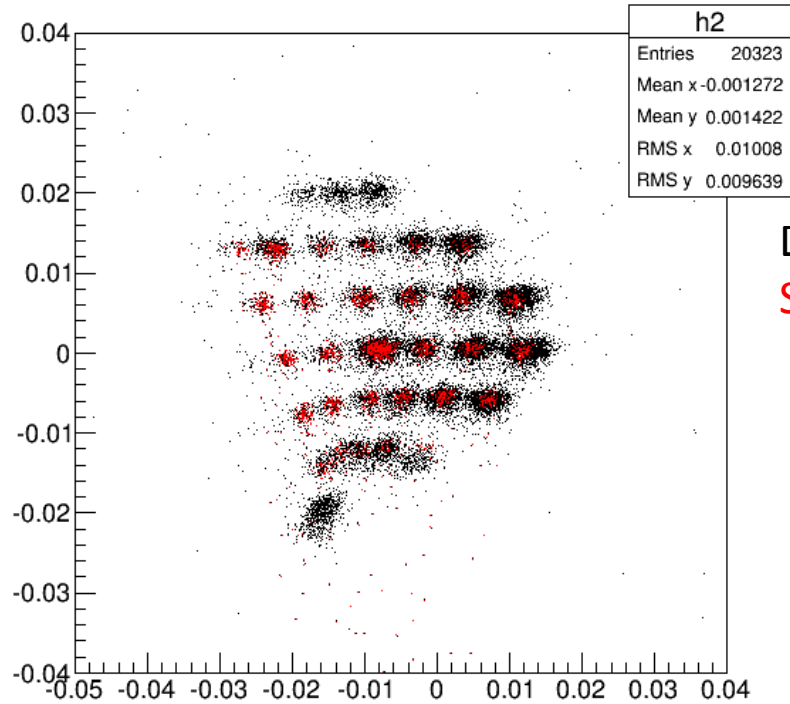
- Corrections on forward transport functions, incorporated into g2psim

dp=0%

x vs y

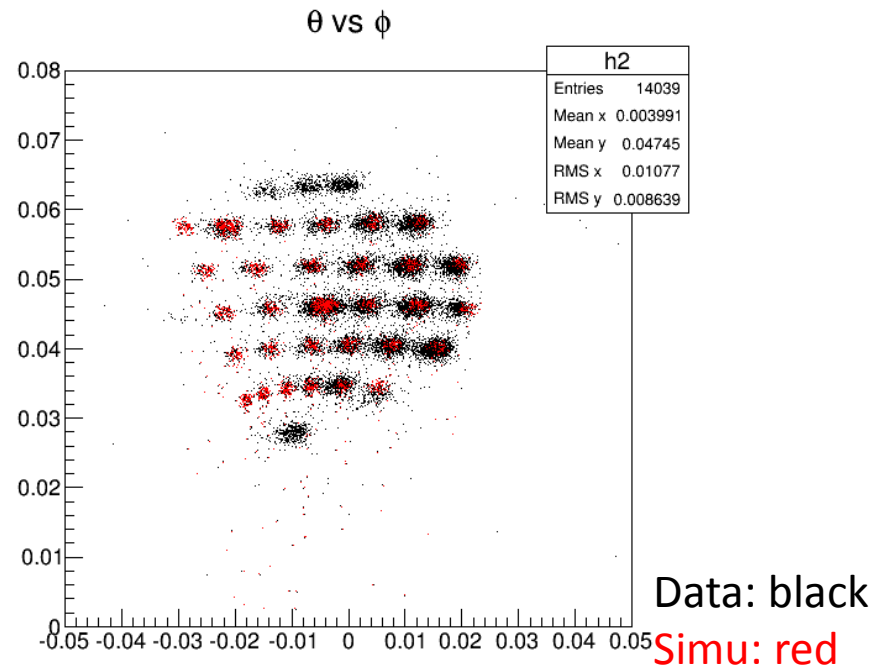
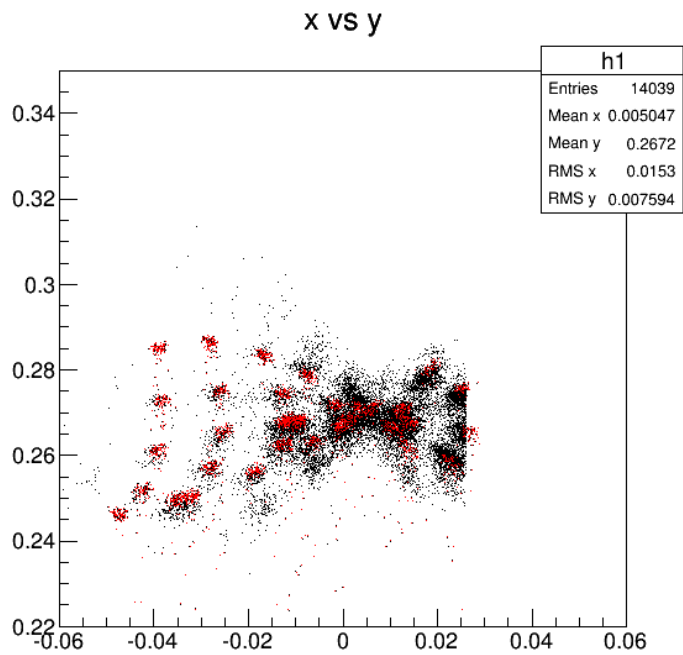


θ vs ϕ

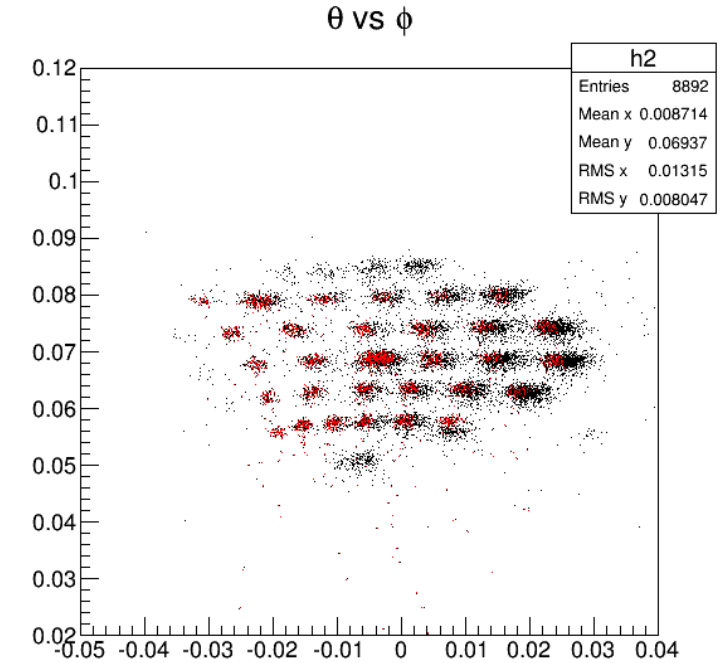
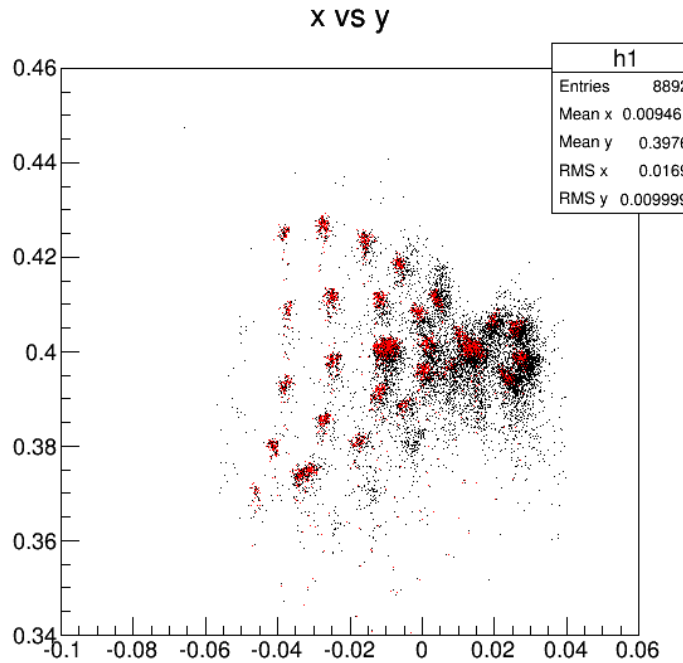


Data: black
Simu: red

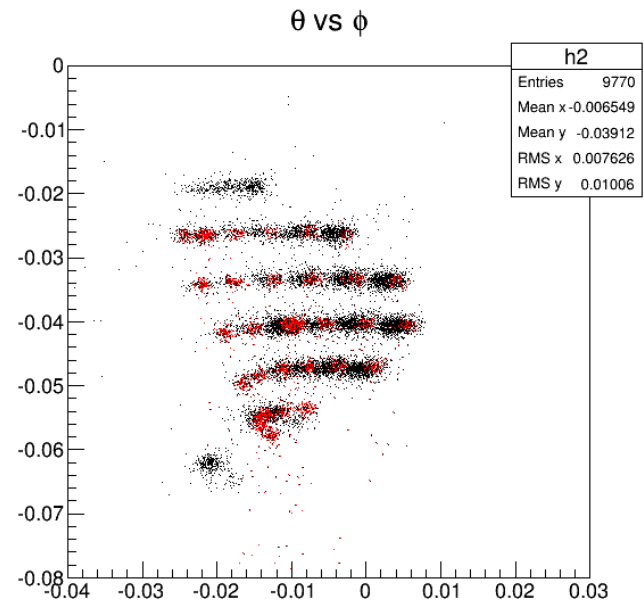
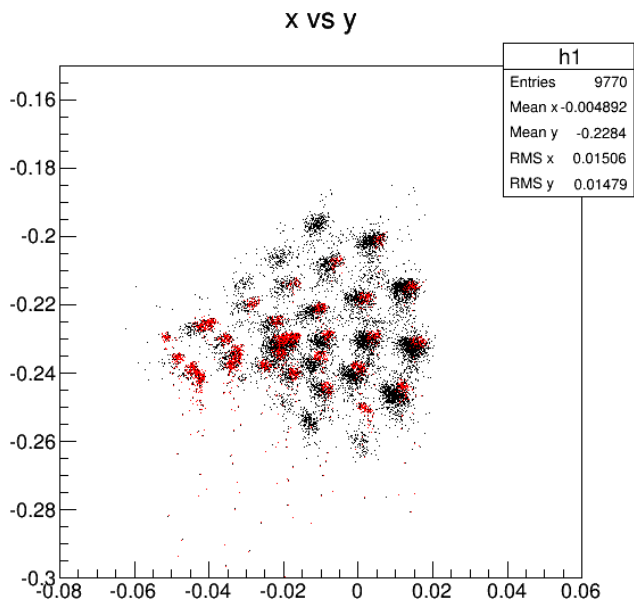
dp=2%



dp=3%

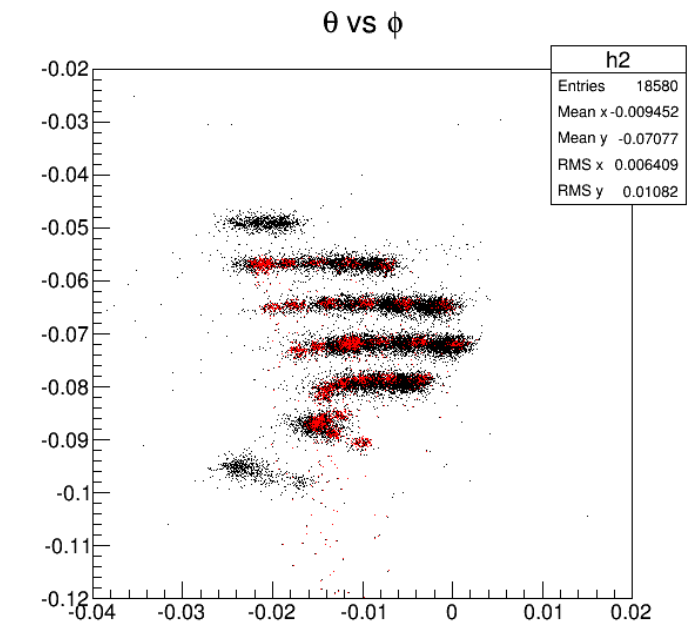
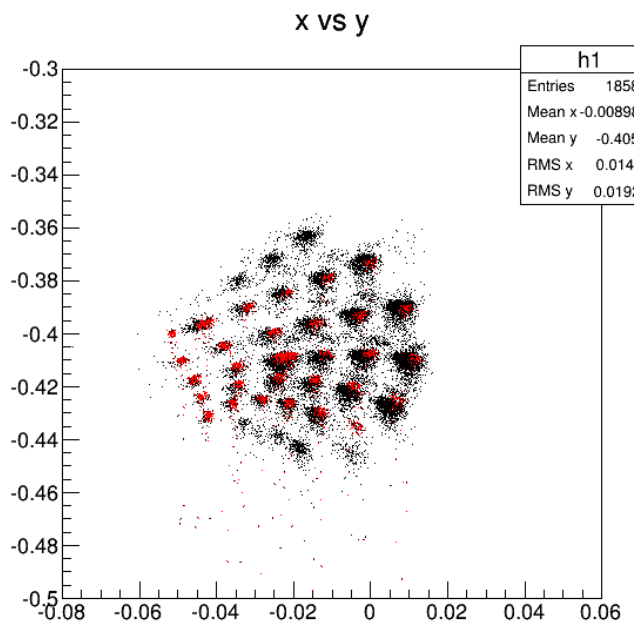


dp=-2%



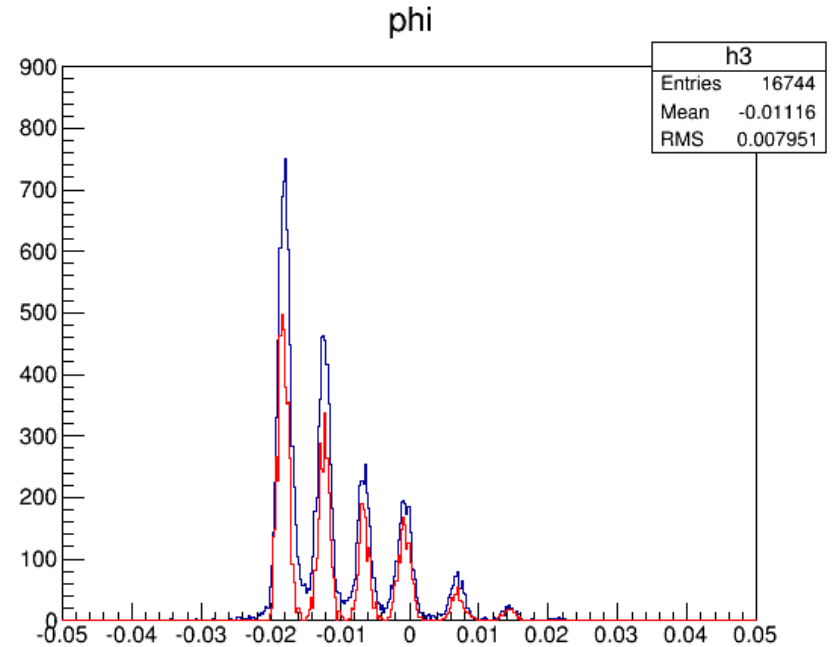
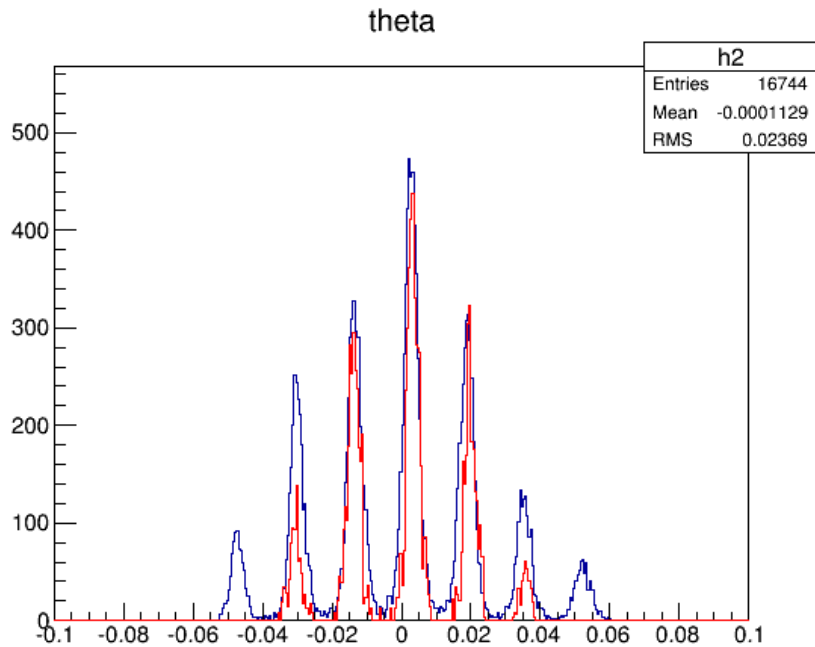
Data: black
Simu: red

dp=-3%

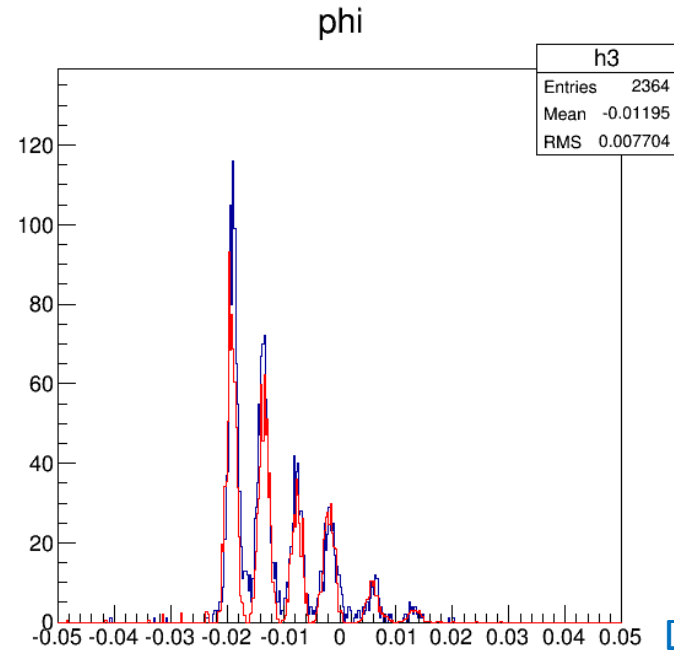
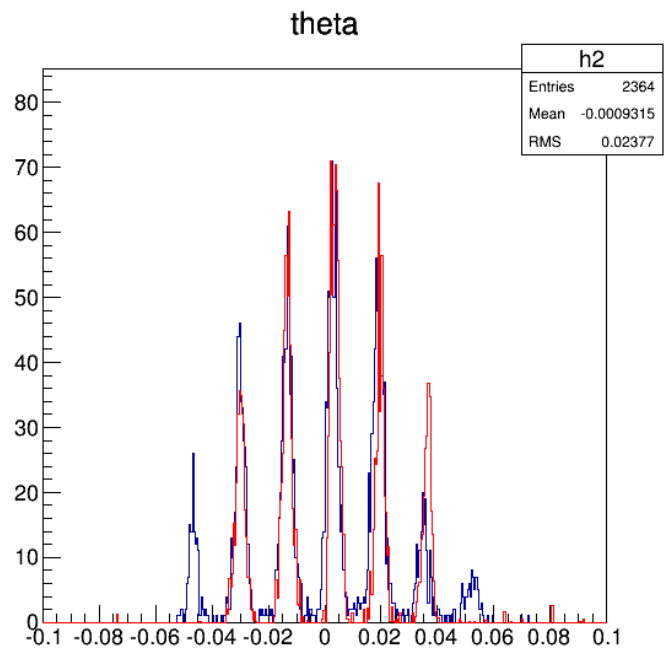


- Reverse transport function
- Fit including all dp scan runs

dp=0%

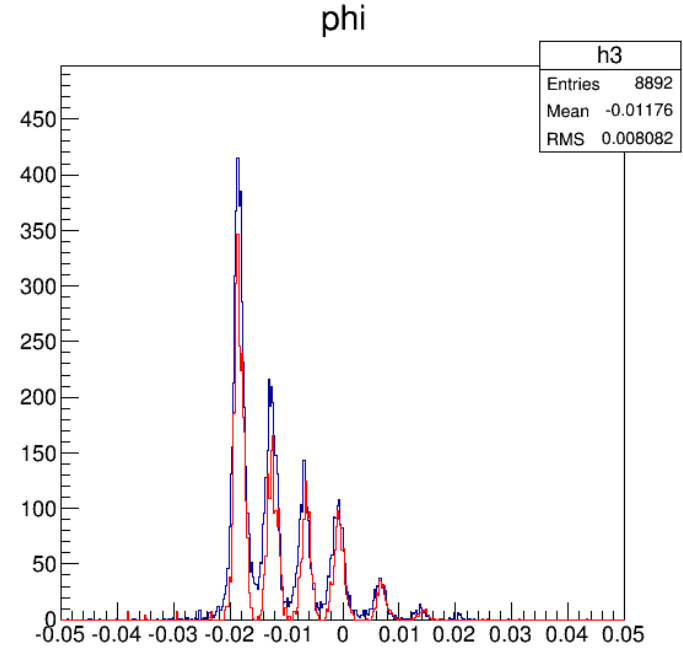
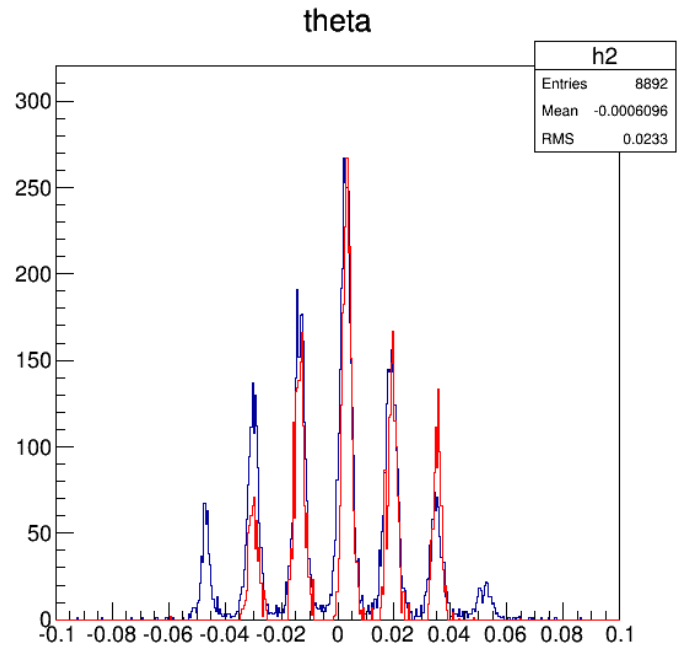


dp=2%

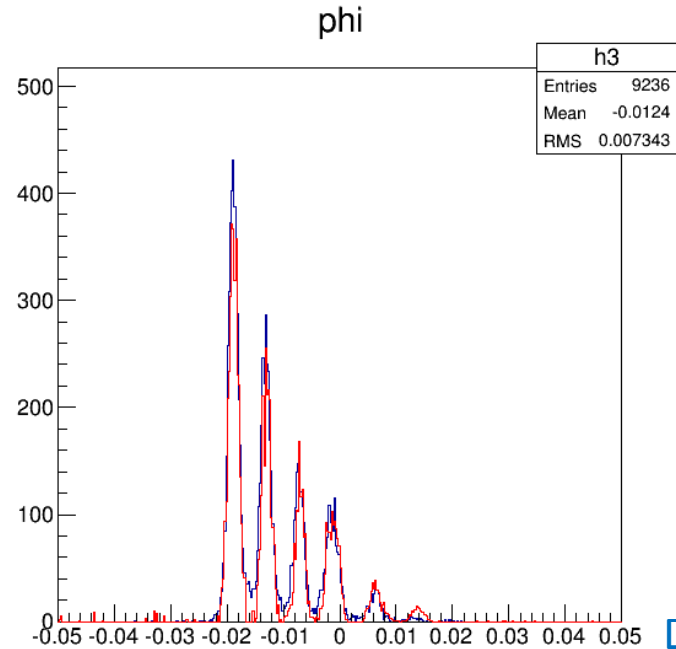
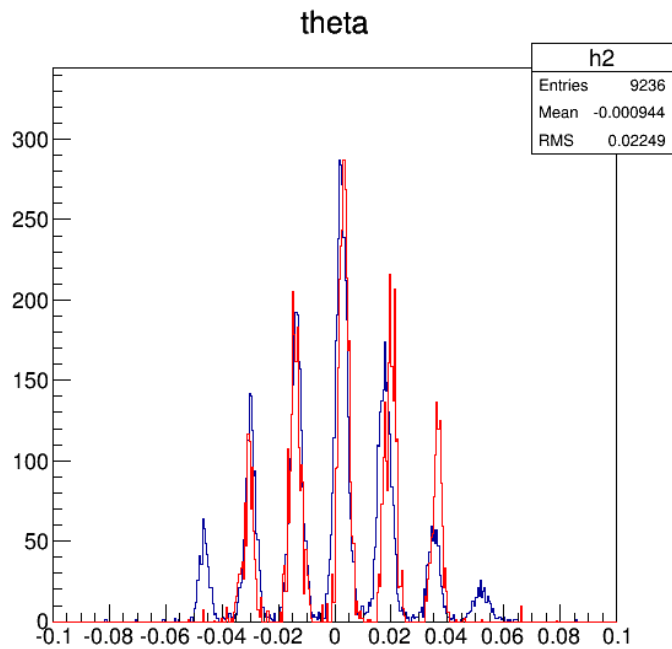


Data: blue
Simu: red

dp=3%

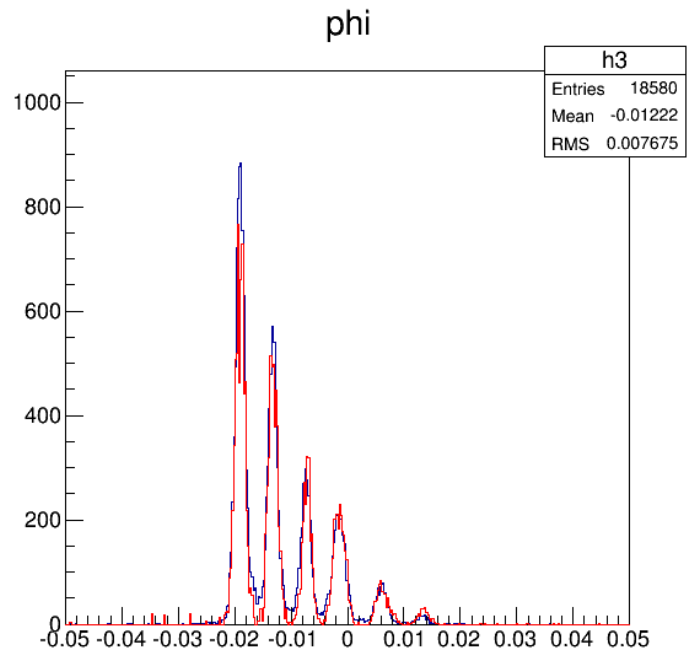
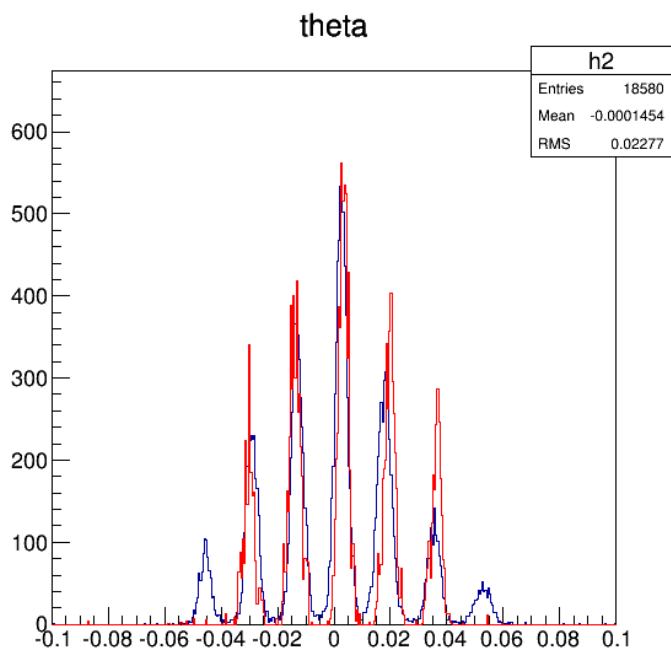


dp=2%



Data: blue
Simu: red

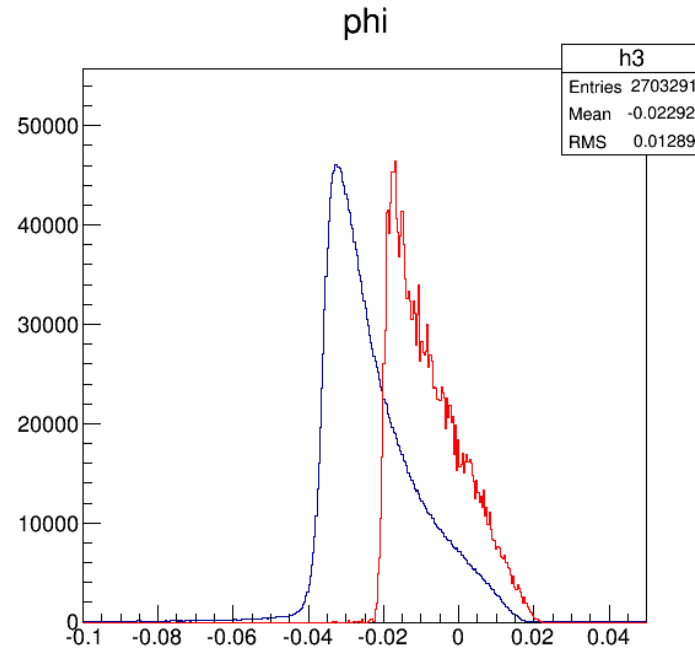
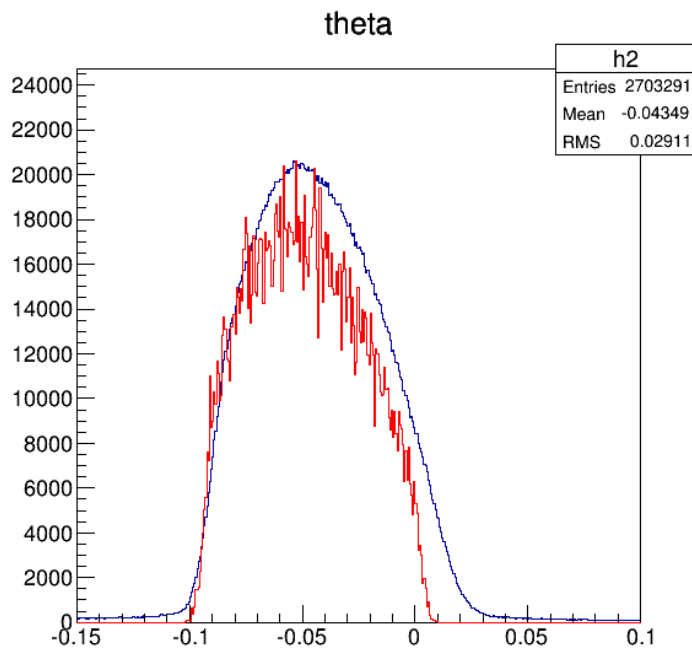
dp=3%



Backup

Production Run

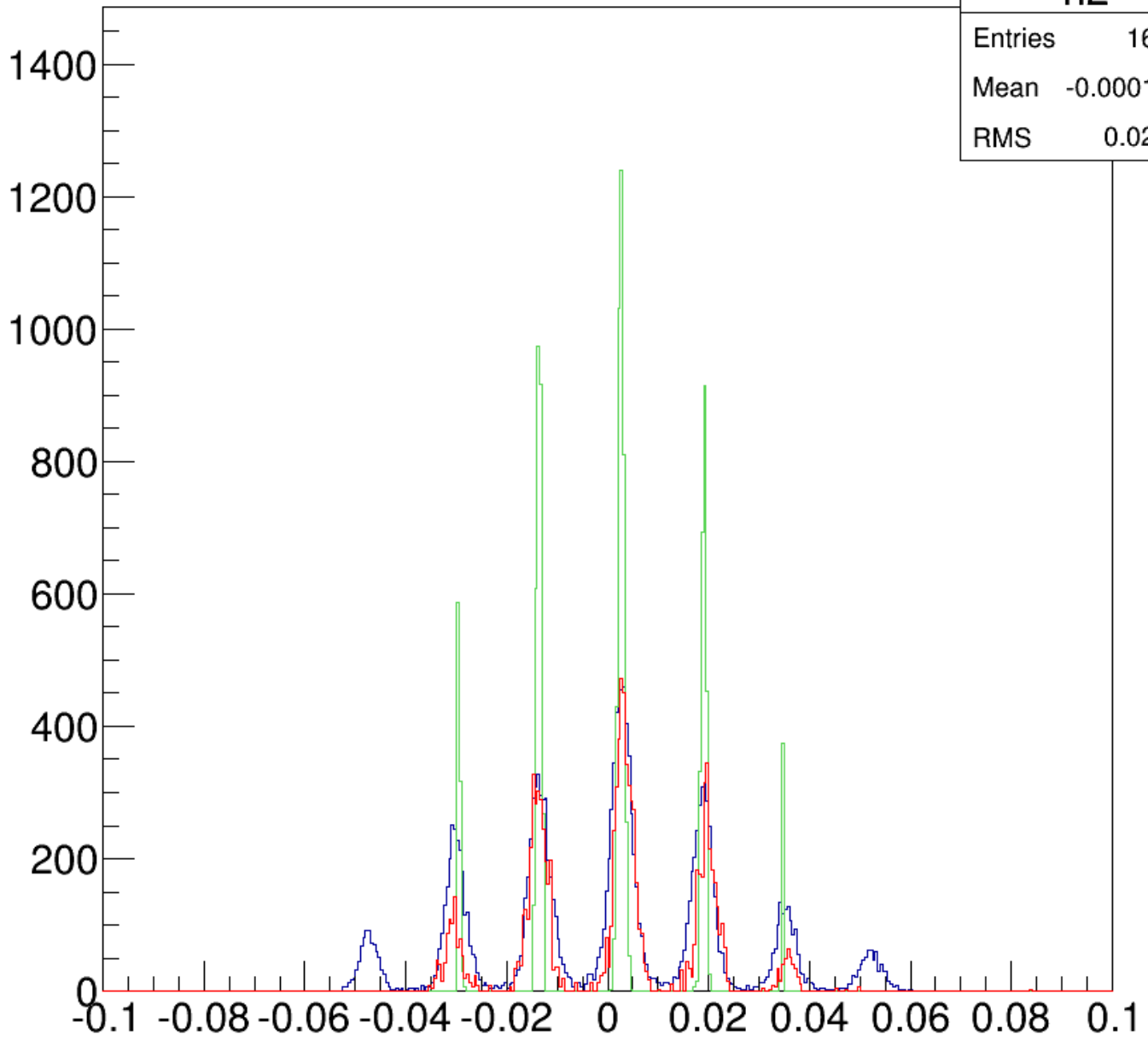
- 3282-3294: 2.253GeV, 2.5T trans, good septum
484816, p0=2.228 GeV
- Beam position $\sim (10 \text{ mm}, 0)$



theta

h2	
Entries	16744
Mean	-0.0001129
RMS	0.02369

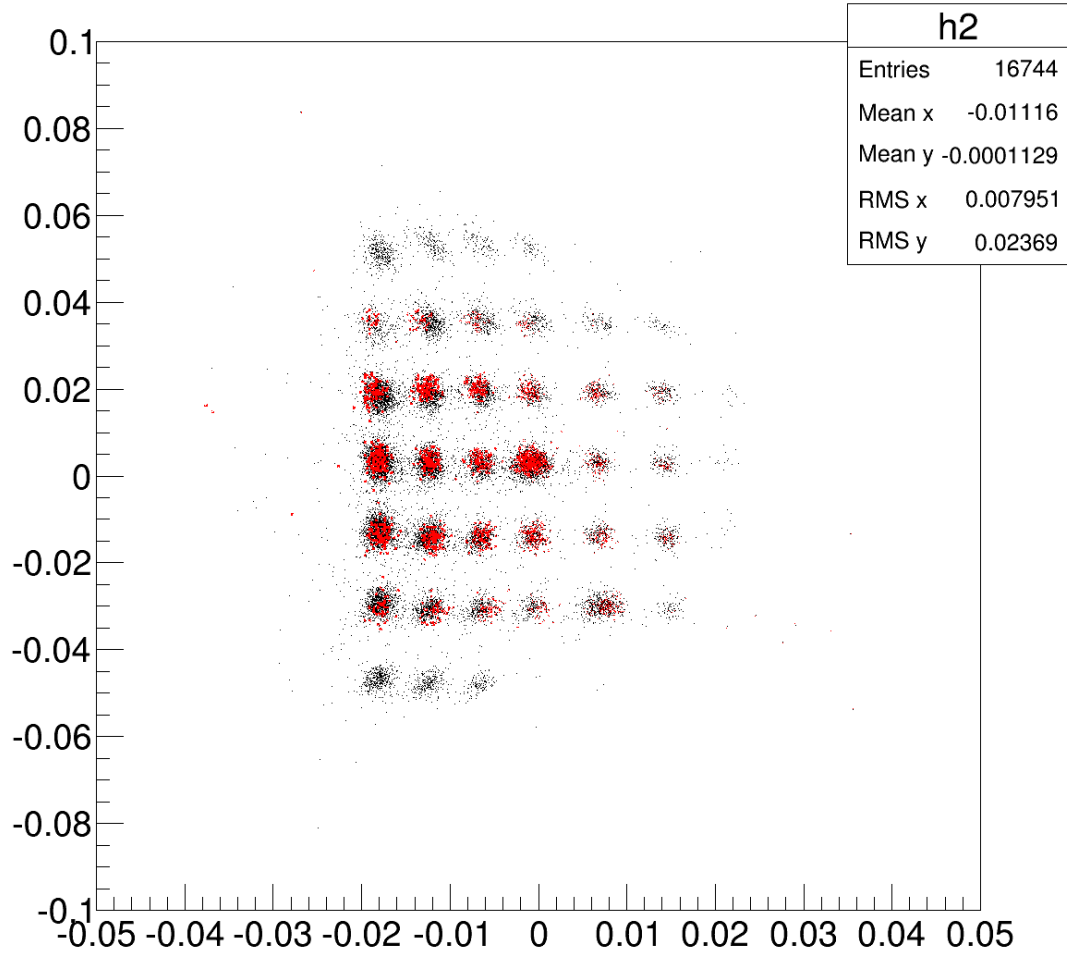
dp=0%



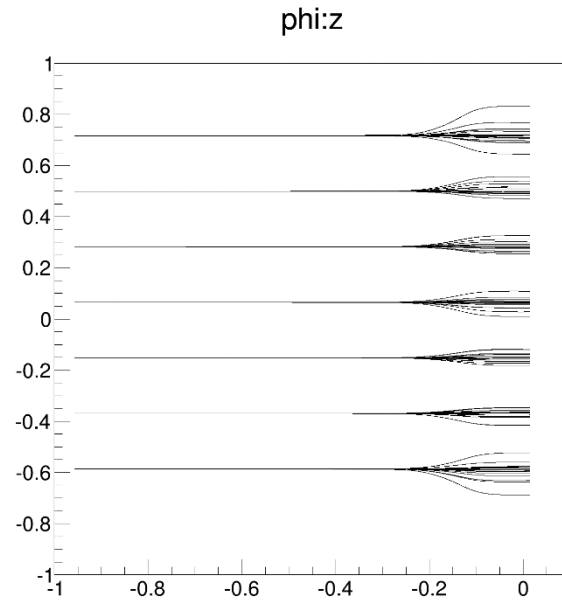
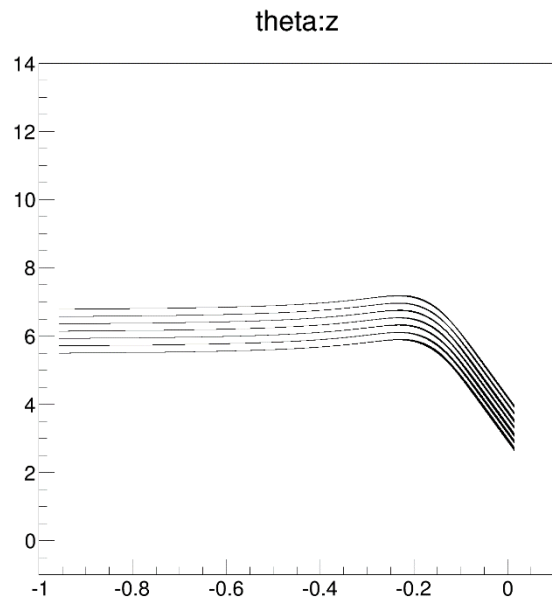
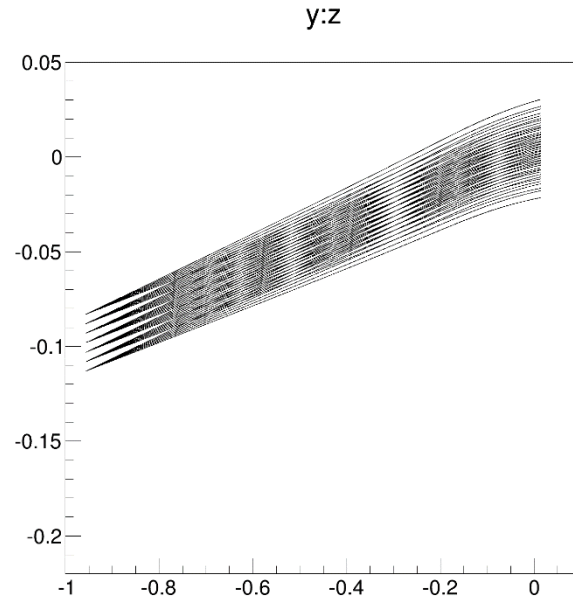
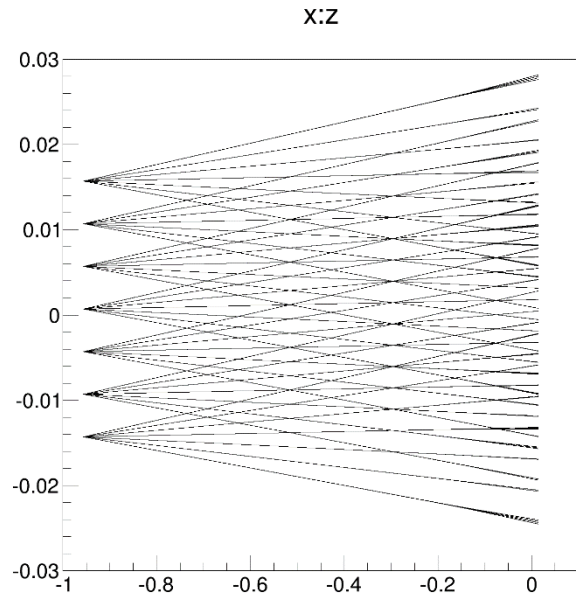
Calc: Green
Data: blue
Simu: red

Target θ vs ϕ

dp=0%



Data: black
Simu: red



From
Pengjia