

Optics Status Update

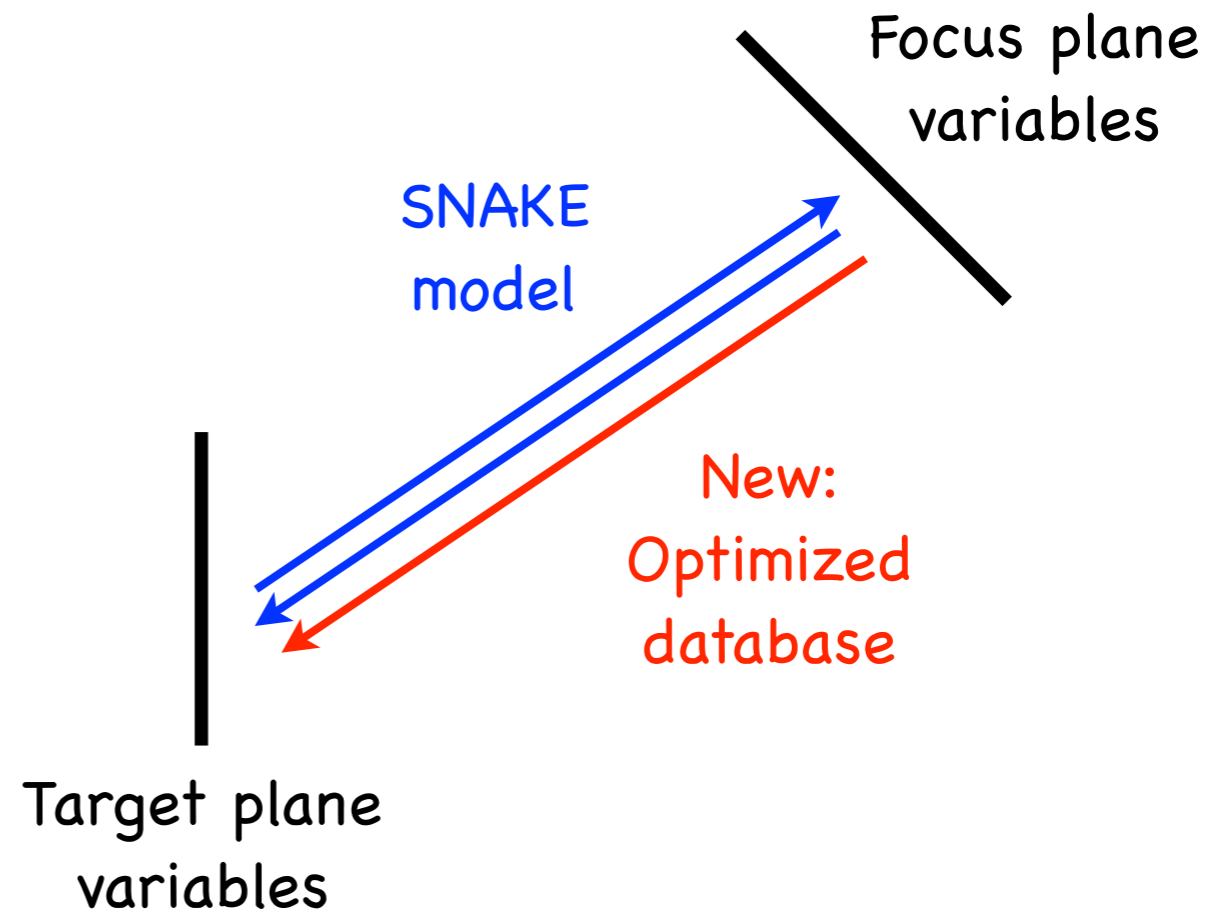
Chao Gu

Optics Status

- Simulation:
 - Add a new function to use analyzer database to do reconstruction

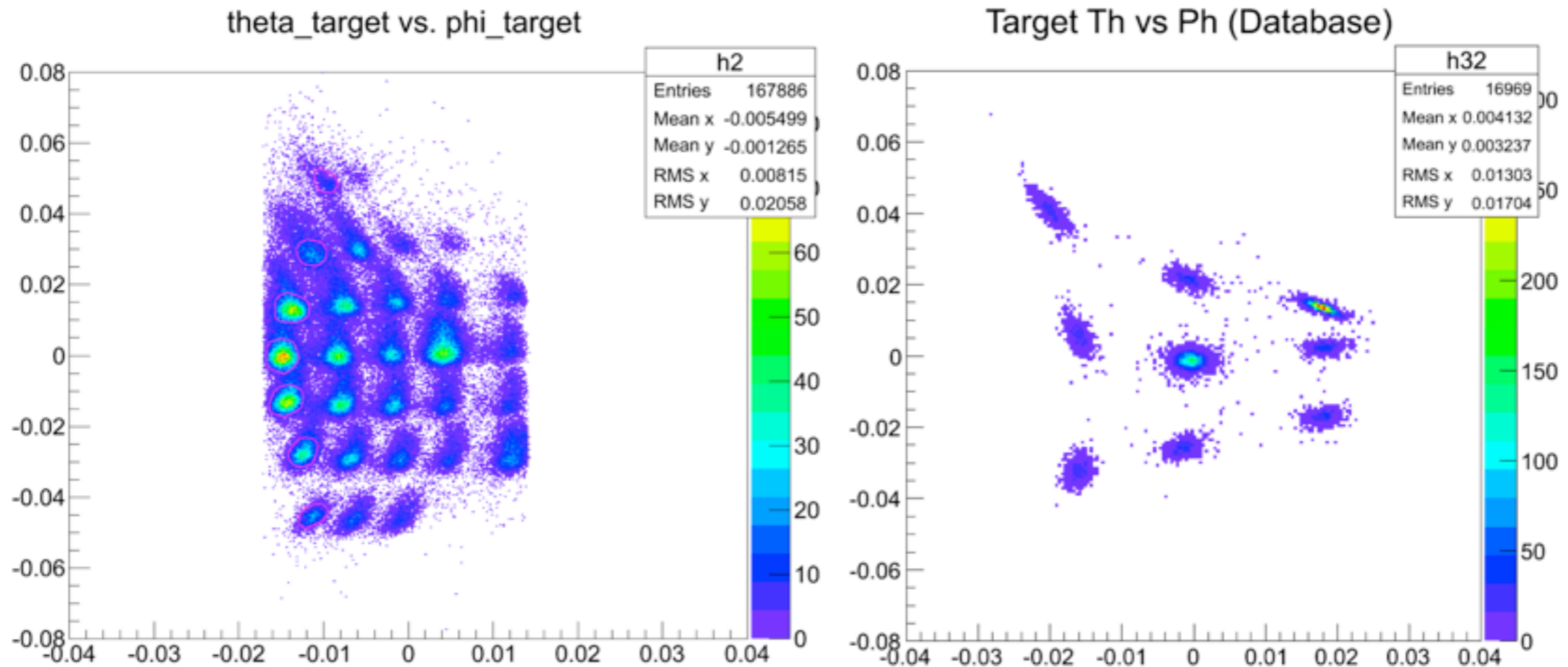
Simulation

- Before we are using SNAKE model to do both forward and backward transport
- Add a new function to use analyzer database to do backward reconstruction
- Data base is optimized with real optics data
- Compare it with the reconstruction result of SNAKE model will help us to improve simulation

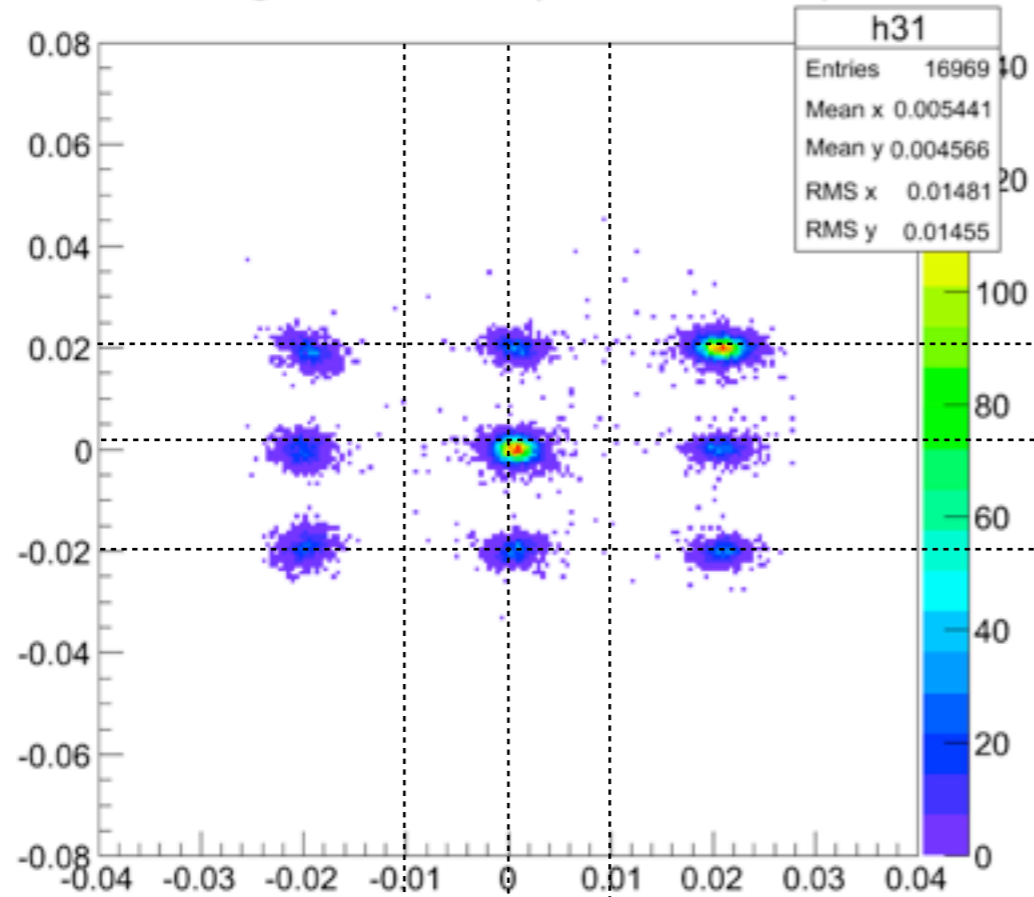


Simulation

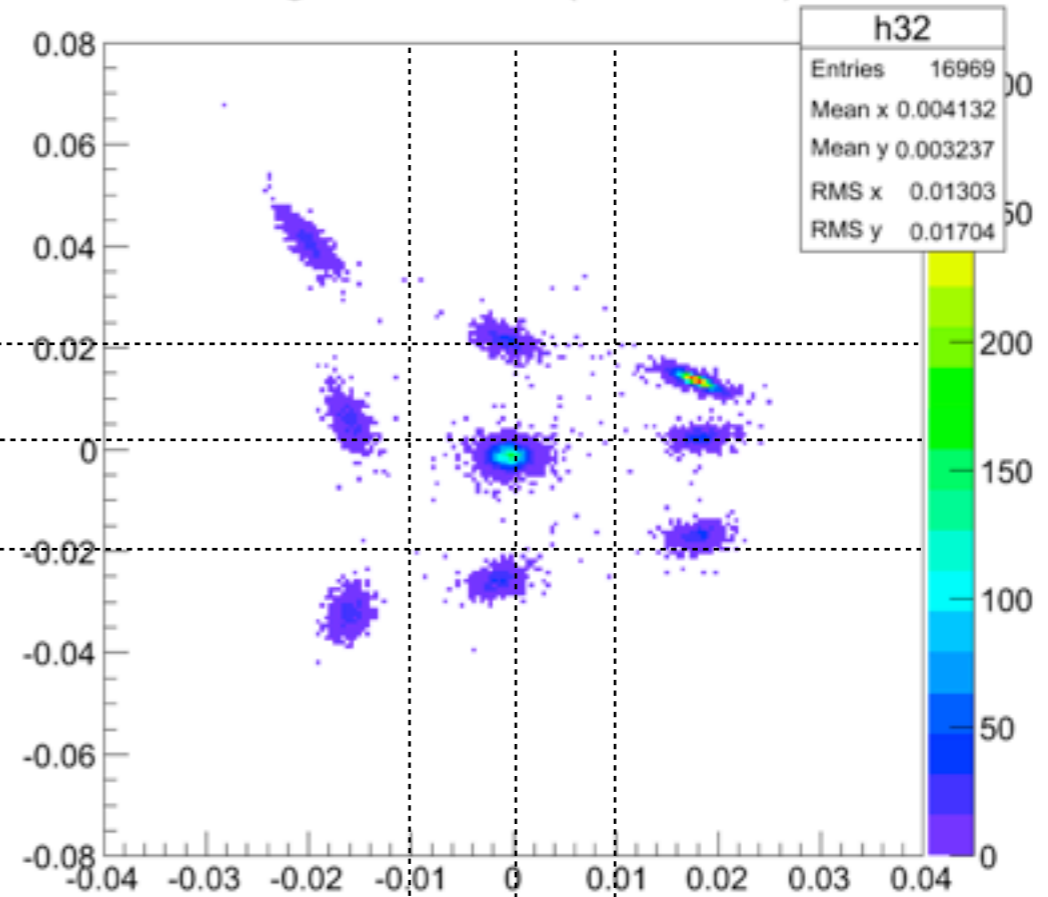
- reduced the angle coverage to the real optimized region
- Min provided a new SNAKE forward model with no raster



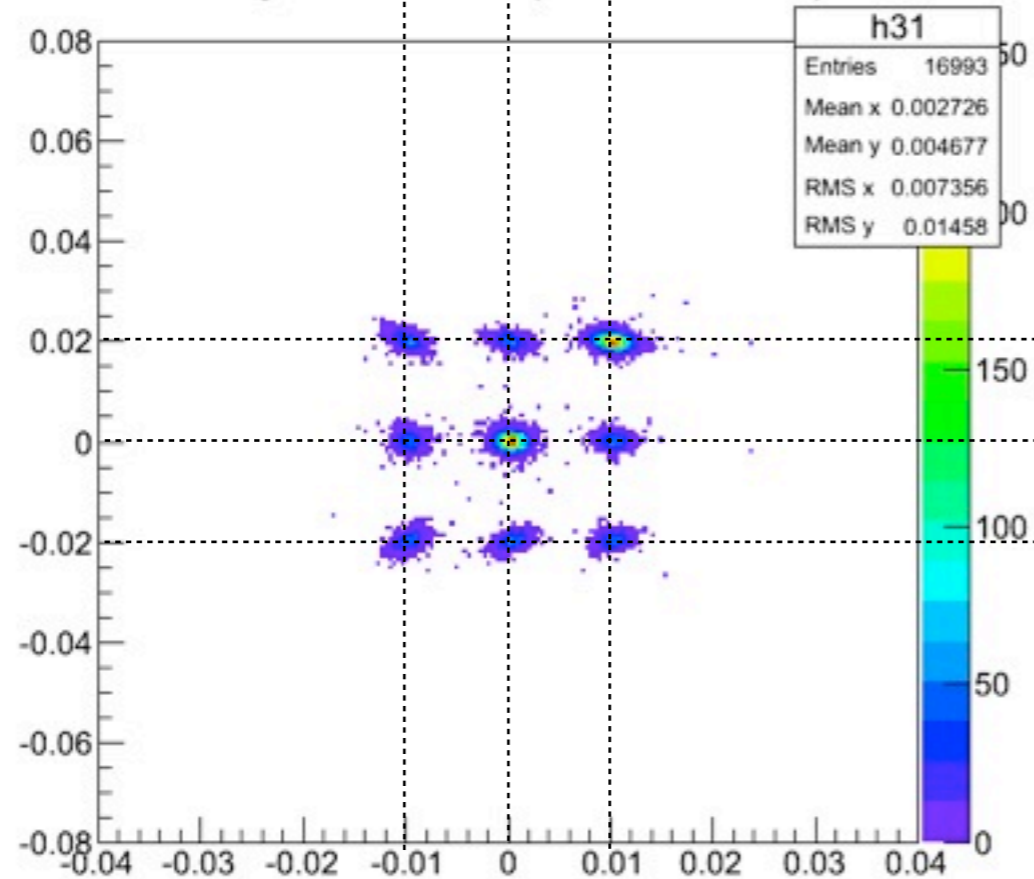
Target Th vs Ph (Snake Model)



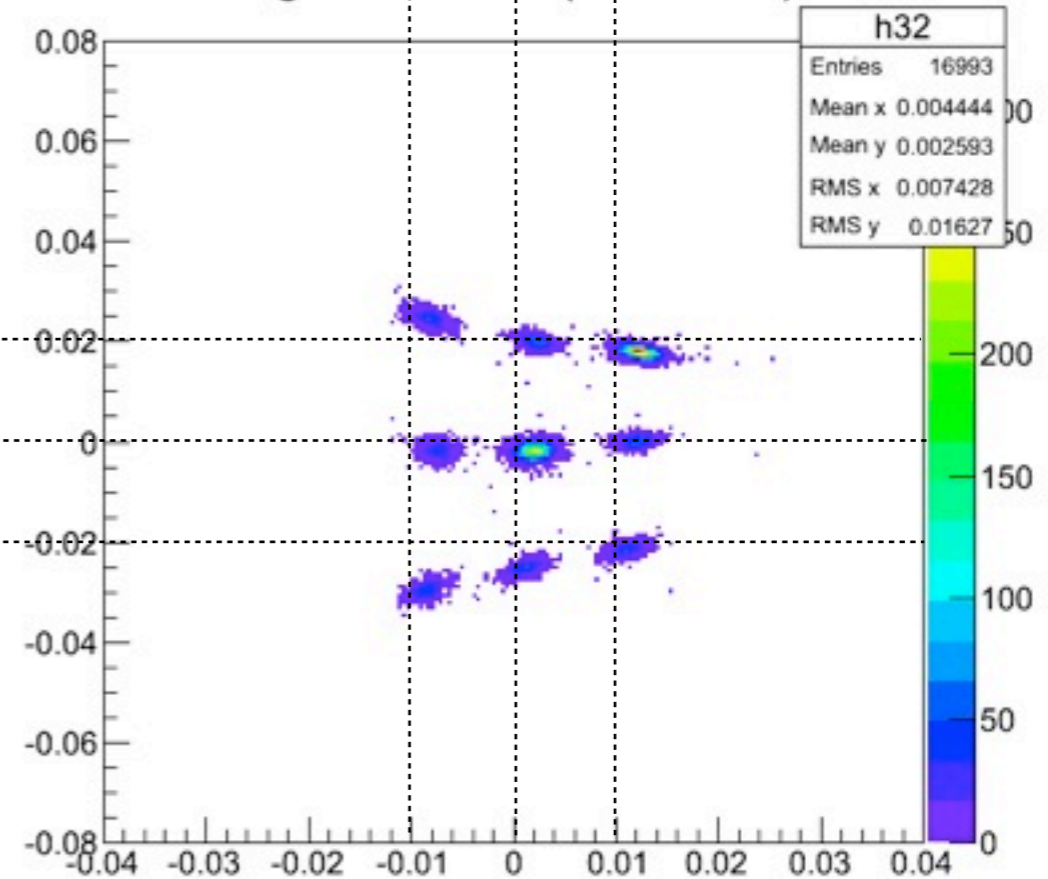
Target Th vs Ph (Database)



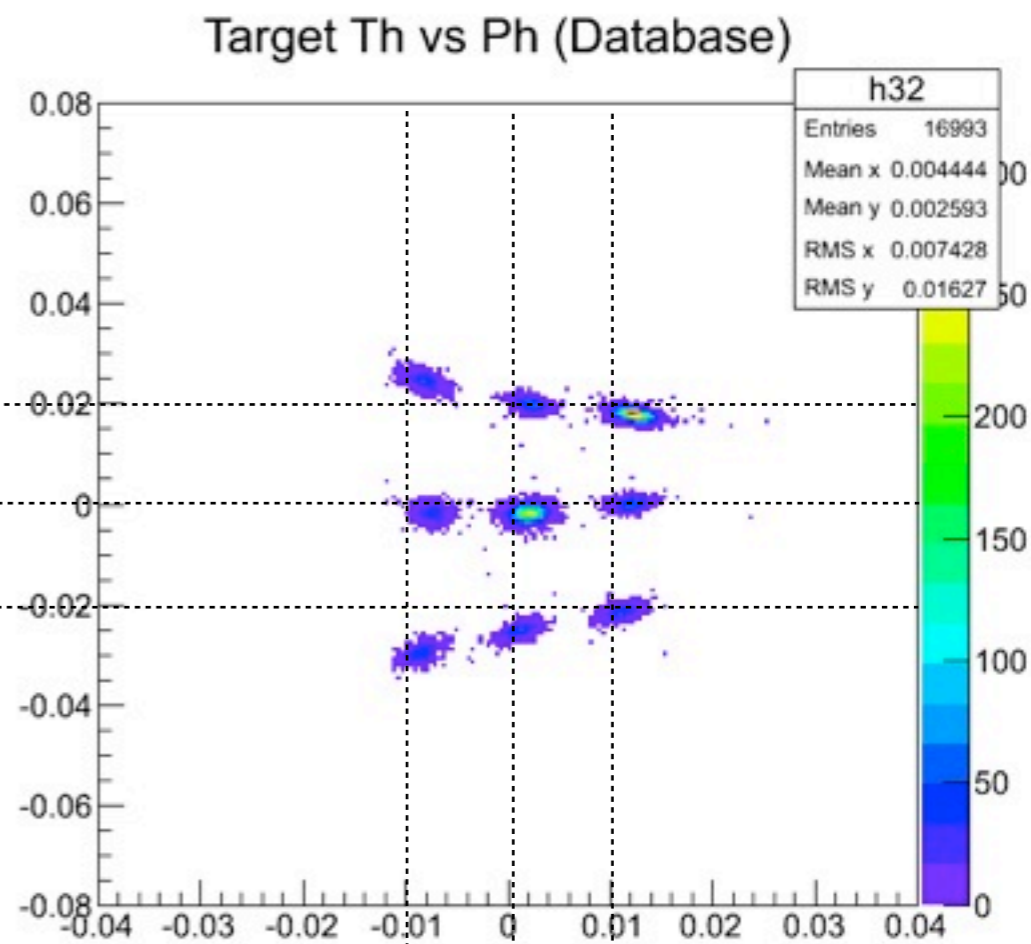
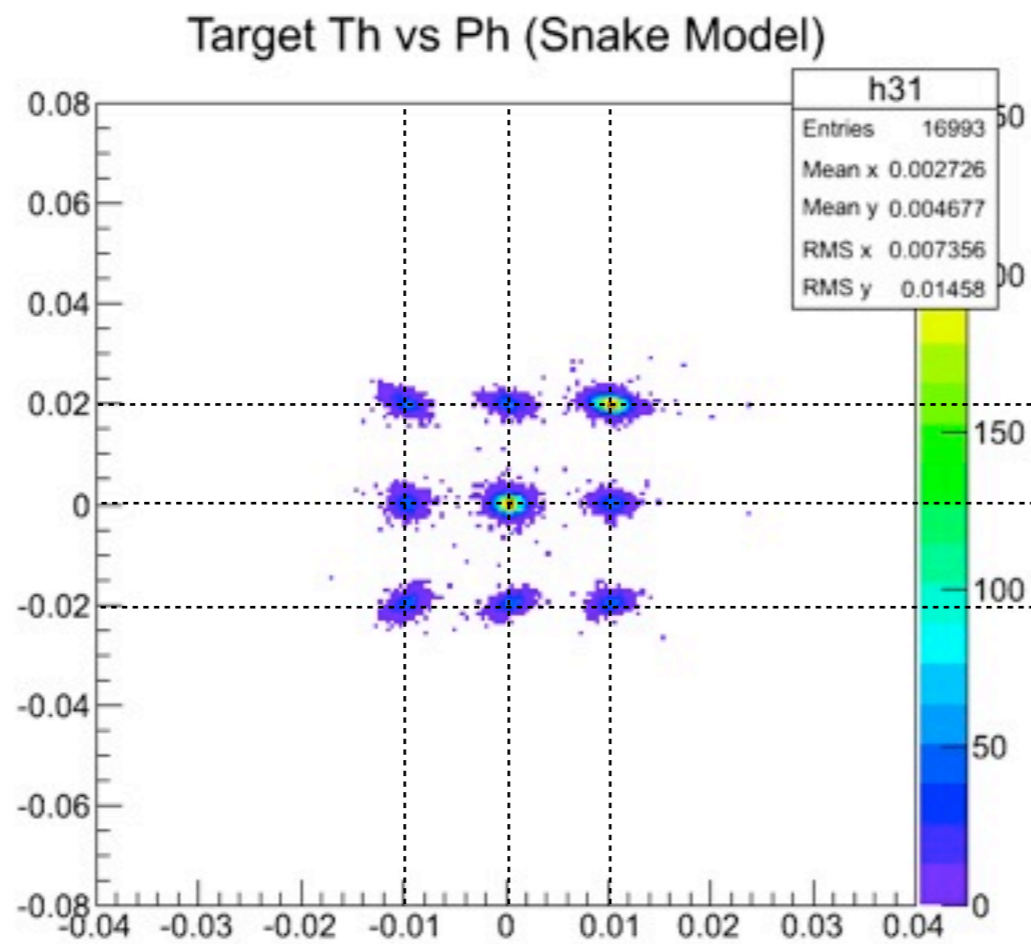
Target Th vs Ph (Snake Model)



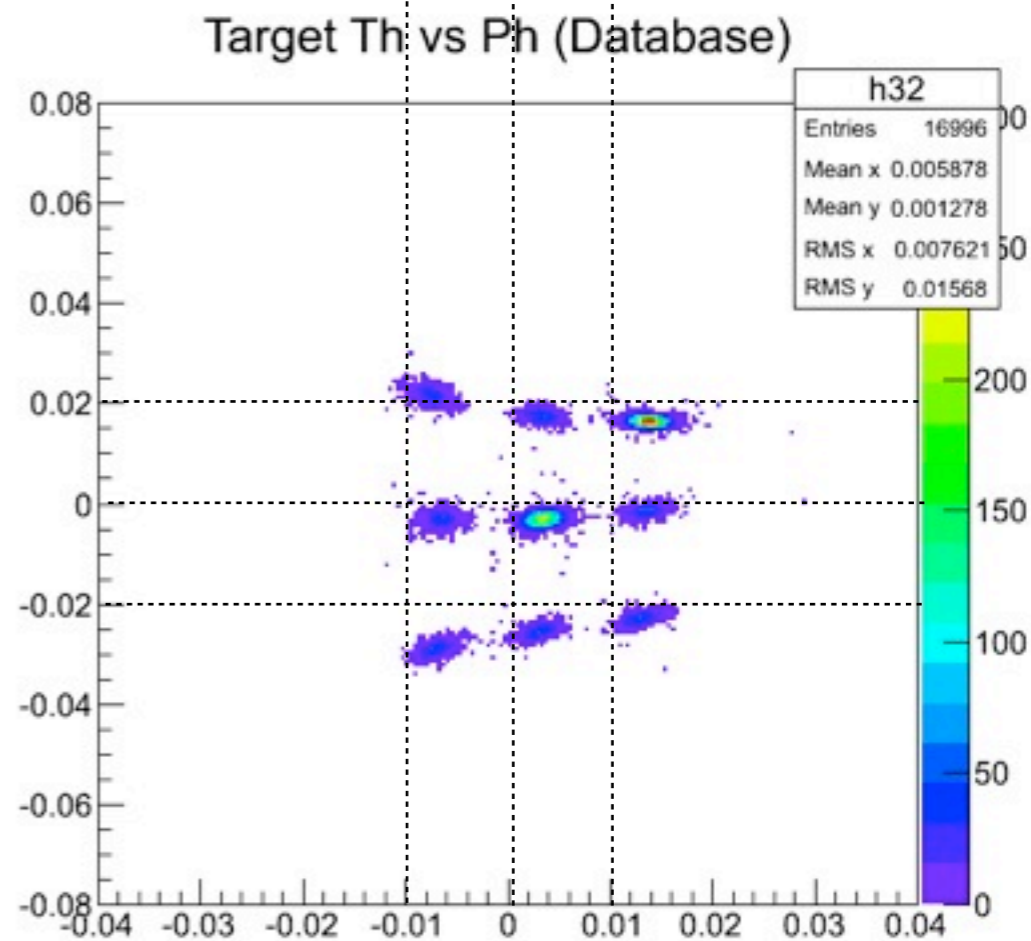
Target Th vs Ph (Database)



with raster

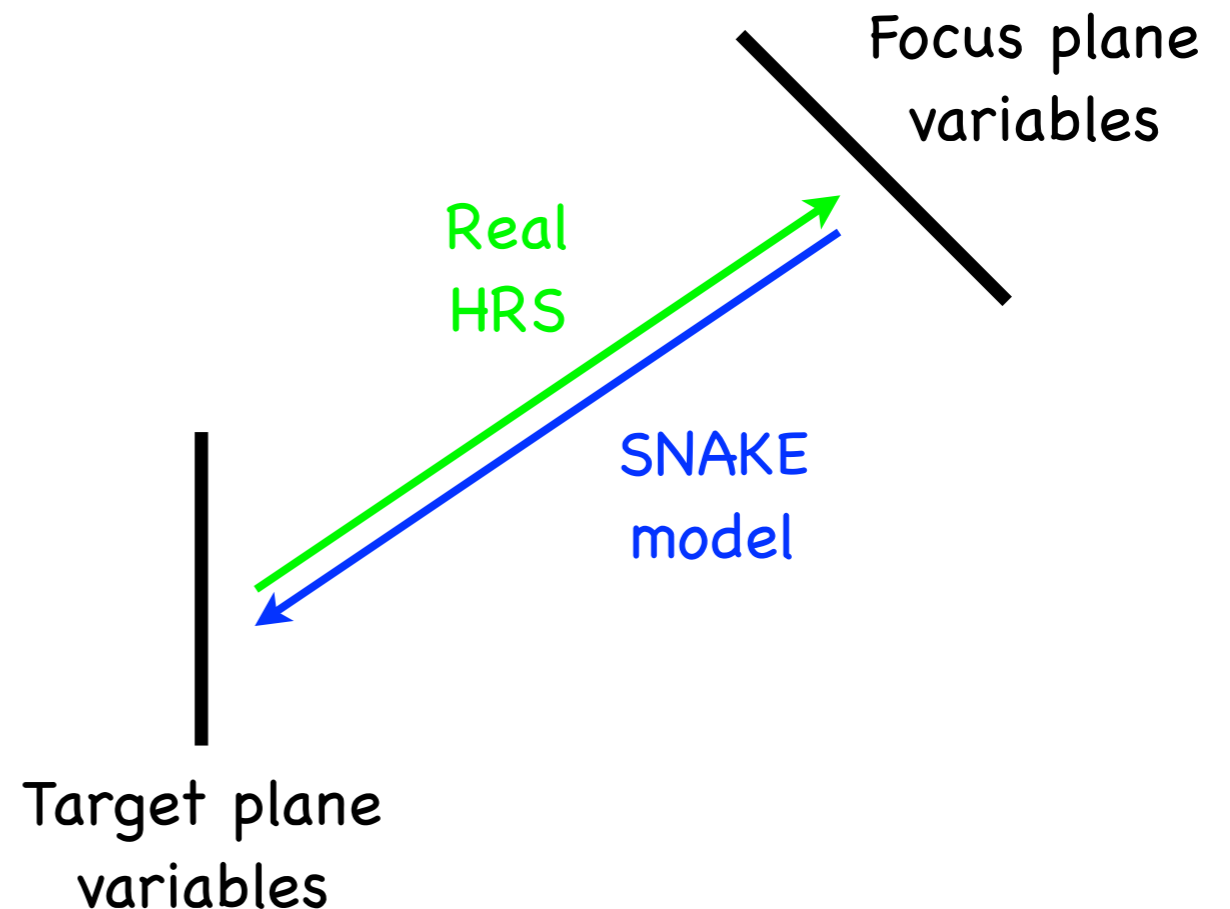


no raster

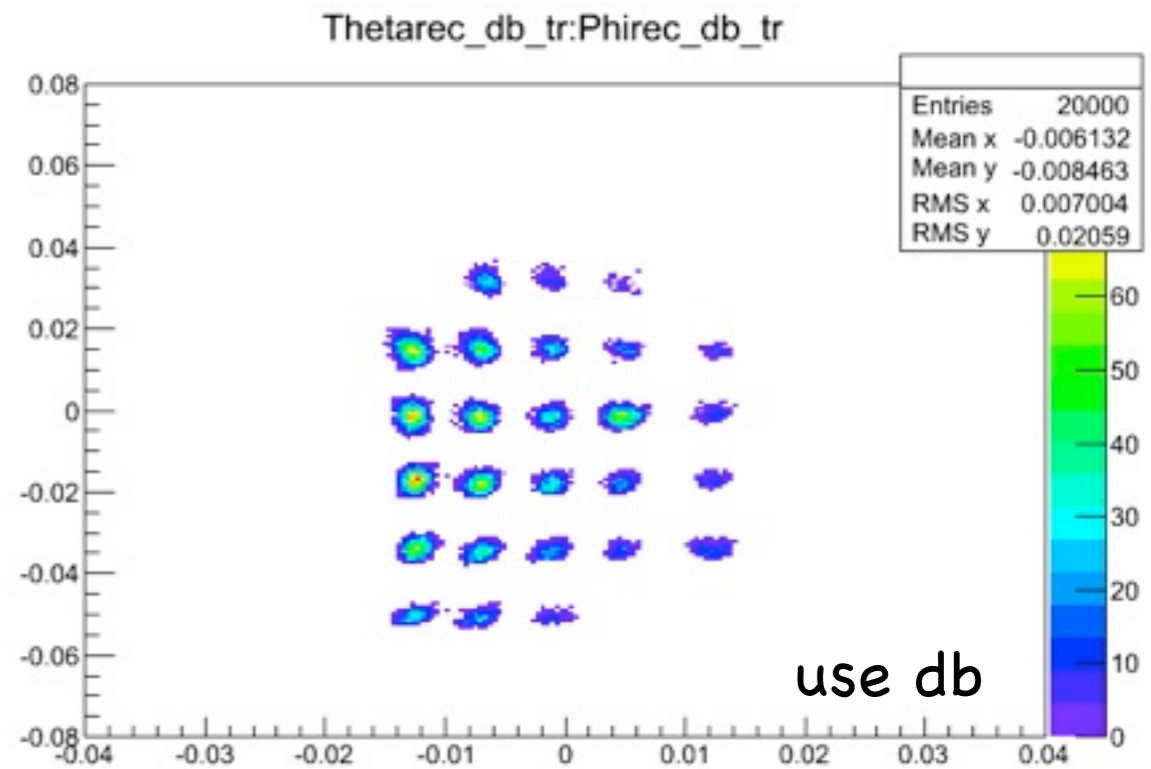
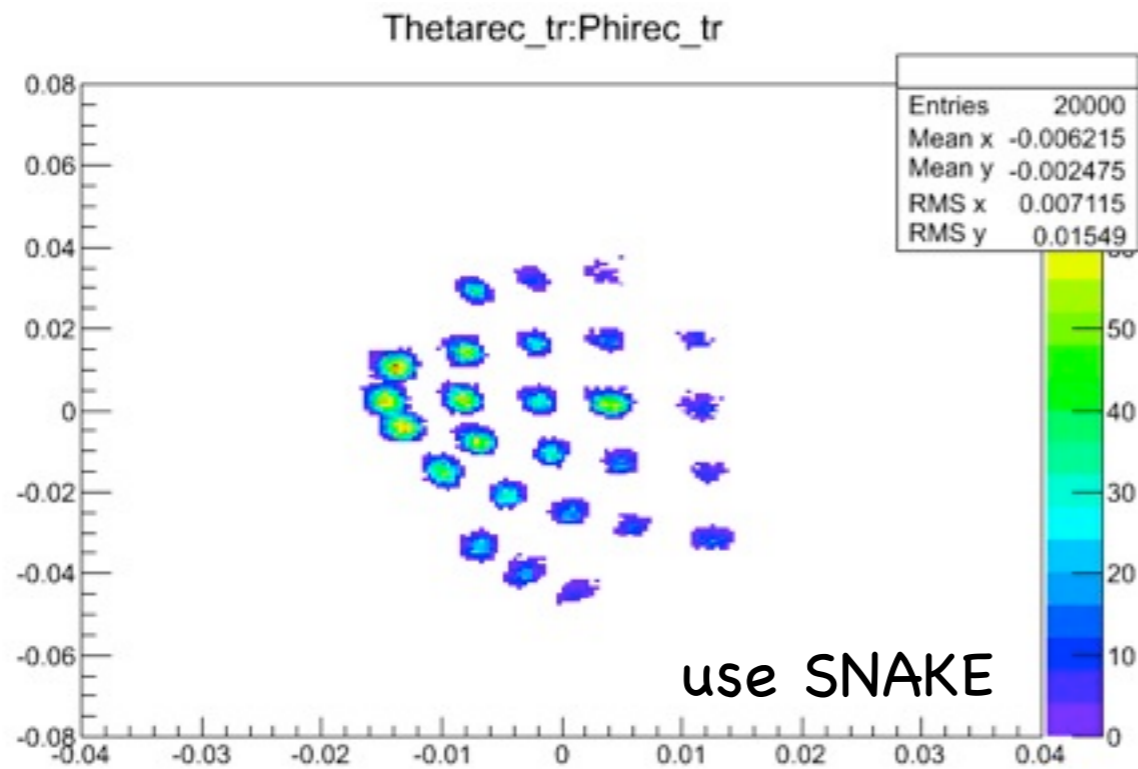
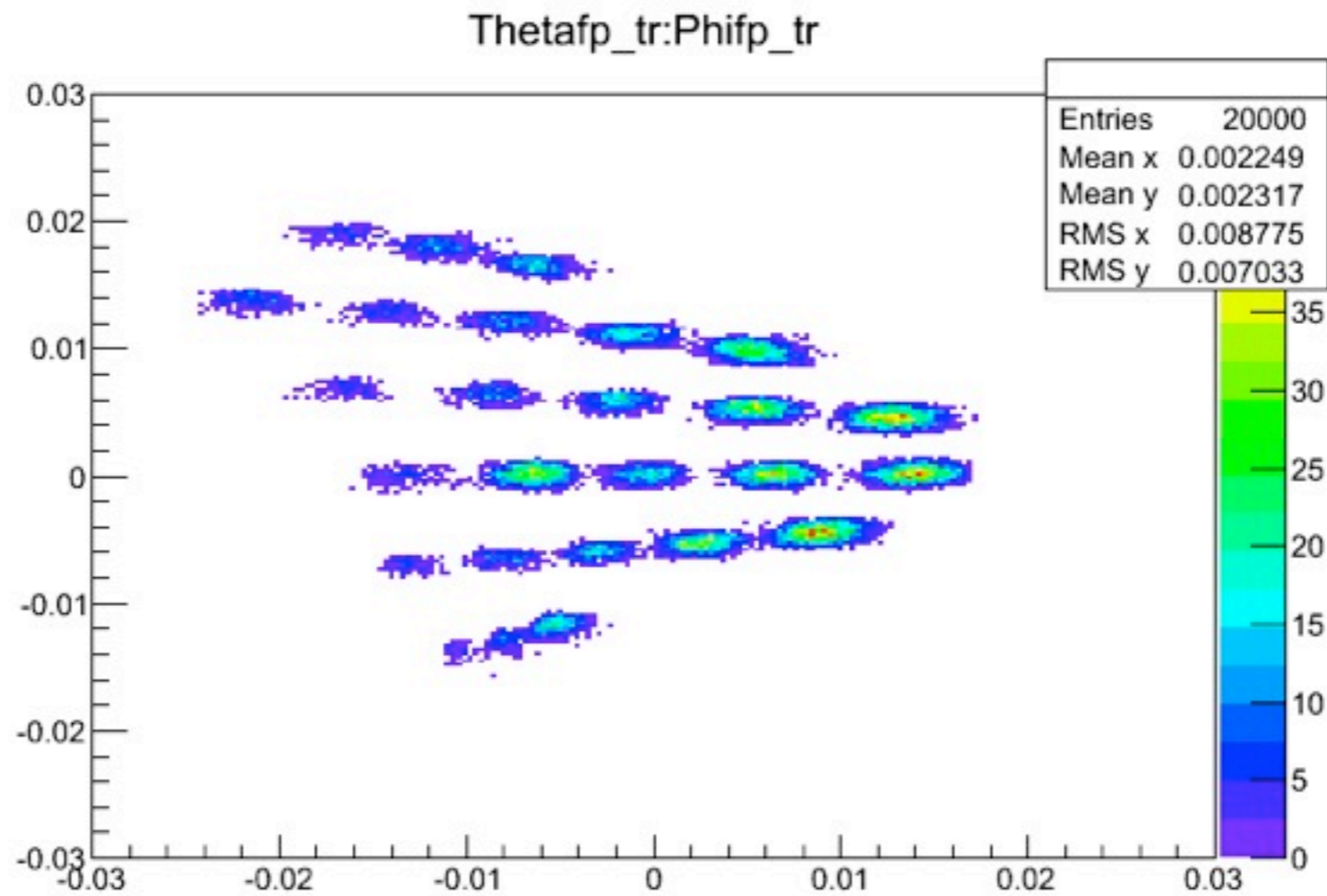


Simulation

- TODO: based on Vince's suggestion we will also generate a function to read focus plane variable of real optics data and use SNAKE model to do reconstruction of it
- This will give us another way to check simulation



focus plane



Backup