

Acceptance Update

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Summary

Septum	Ebeam	Target Field	Date	ID	Comment
good	2.3	0T	3/14	1	Not ideal bpm situation
		2.5T Trans.	3/8	2	Fp horizontal shift using 1 transport func
2 nd bad	2.3	2.5T Trans.	4/4	3	Fp vertical discrepancy from data
3 rd very bad	2.3	5T Long.	5/3	4	Good
	1.7	2.5T Trans.	4/12	5	Good
	1.2	2.5T Trans.	4/21	6	Fp vertical discrepancy from data
	2.3	5T Trans.	5/10	7	Fp vertical discrepancy from data

Acceptance

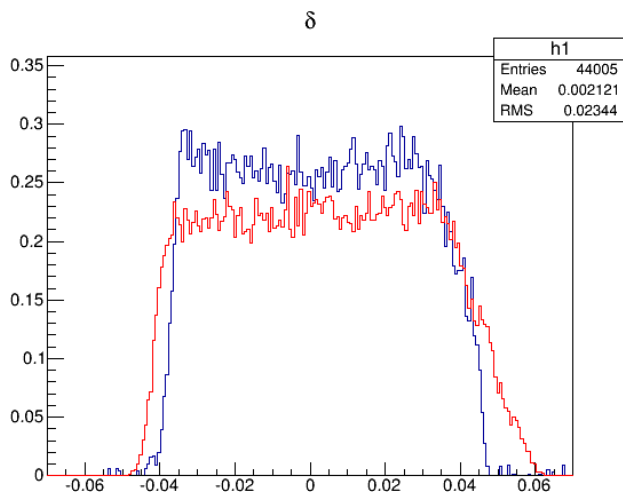
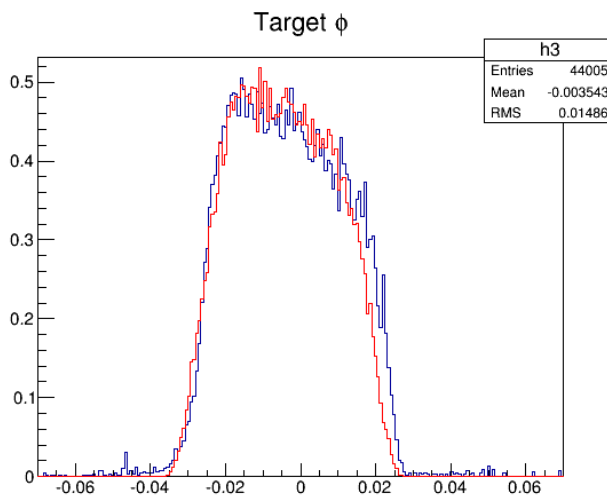
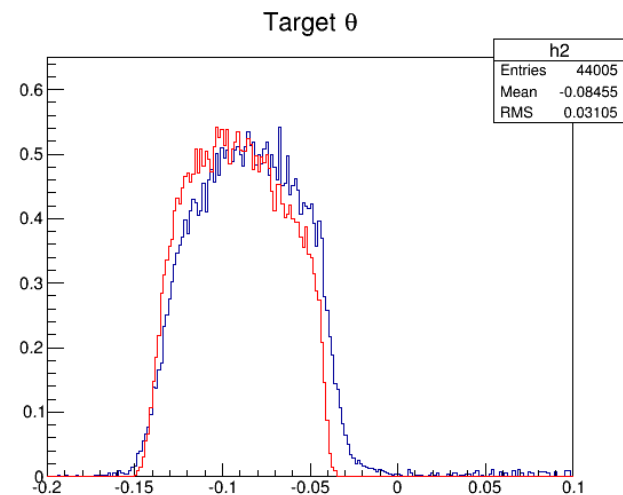
- 1.706 GeV, 2.5T Trans. target field, 3rd (very bad) septum
- 2.3 GeV, 5T Long. target field, 3rd (very bad) septum
- Better beam position calibration & better focal plane agreement
- Dilution run with empty target

- Divide data by Mott cross section
- Compare with plain simulation

Acceptance

--w/o xs

1.7 GeV, 2.5T, transverse, dilution empty target



Blue: data/Mott

Red: plain simulation

#4423 $p_0=1.0966$ dilution run with empty target, rasters on

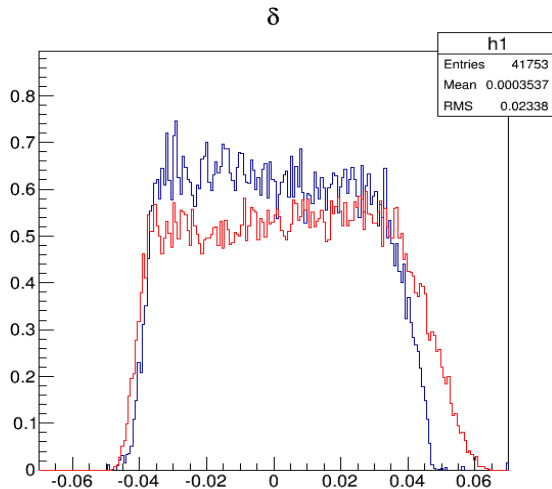
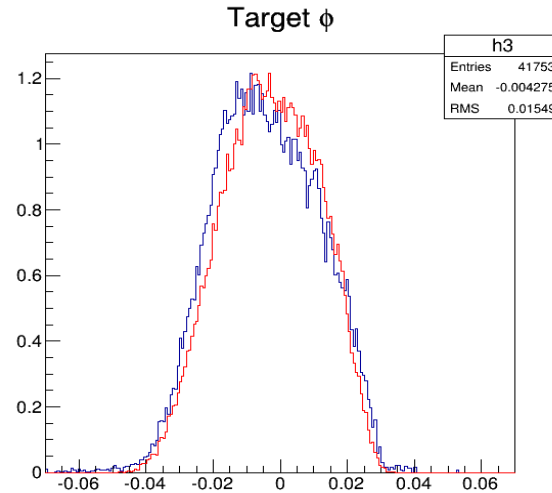
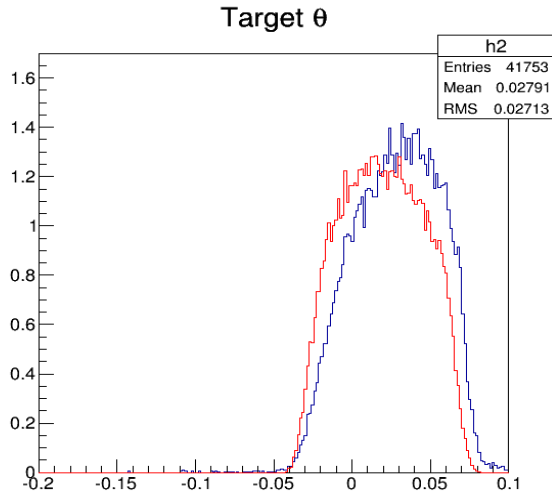
$W \sim 1.4$ GeV

Data:
Detector cuts
Junk events cut
Simu:
Nose cut
Eloss<0.01GeV

Acceptance

--w/o xs

2.3 GeV, 5T longitudinal, dilution empty target



Blue: data/Mott

Red: plain simulation

#5898 p0=1.0547 dilution run with empty target, rasters on

W ~ 1.7 GeV

Data:

Detector cuts

Junk events cut

Simu:

Nose cut

Eloss<0.01GeV

Next

- Calculate the acceptance
- Suggestions from this meeting?