

Polarimeter

Justyna Tomaszewska - DESY

August 19, 2009

Status and plans

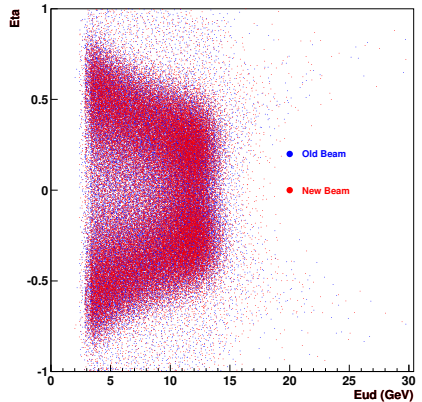
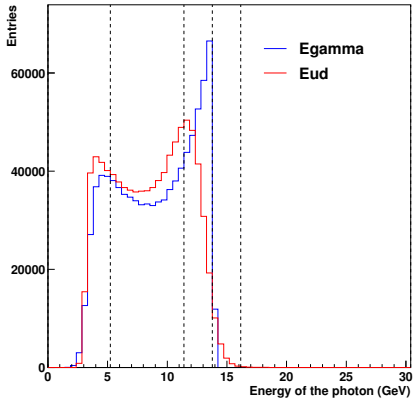
Status:

- ▶ the full beamsimulation is ready

Plans:

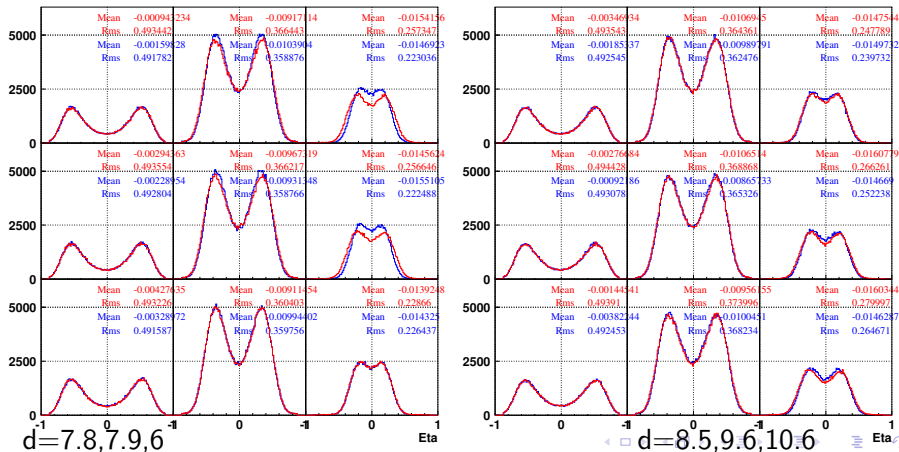
- ▶ study the shift of means as a function of IP and divergence
- ▶ study the rms of the eta as a function of IP and divergence
- ▶ study the vertex distributions

Energy of the photon



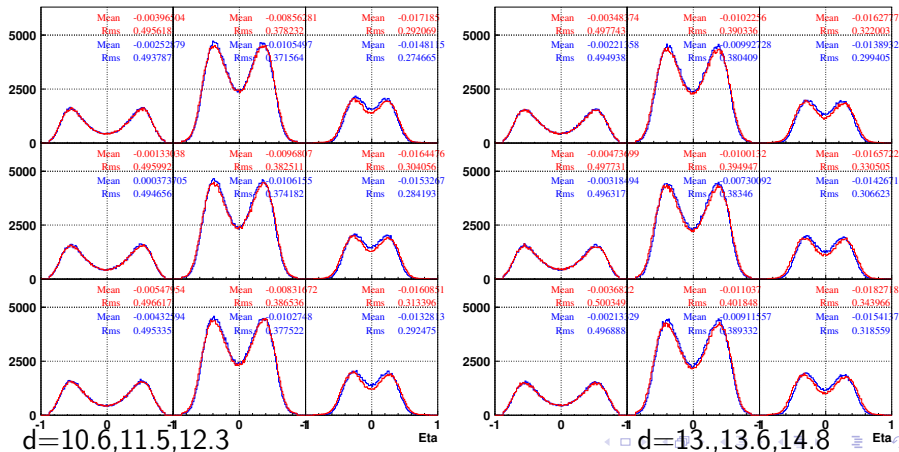
Eta in the bins of energy as a function of divergence

Blue Old beam , red New beam

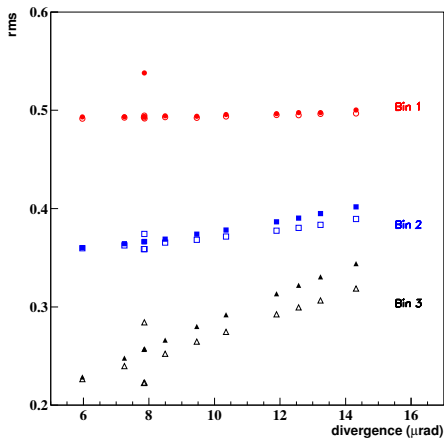


Eta in the bins of energy as a function of divergence

Blue Old beam , red New beam

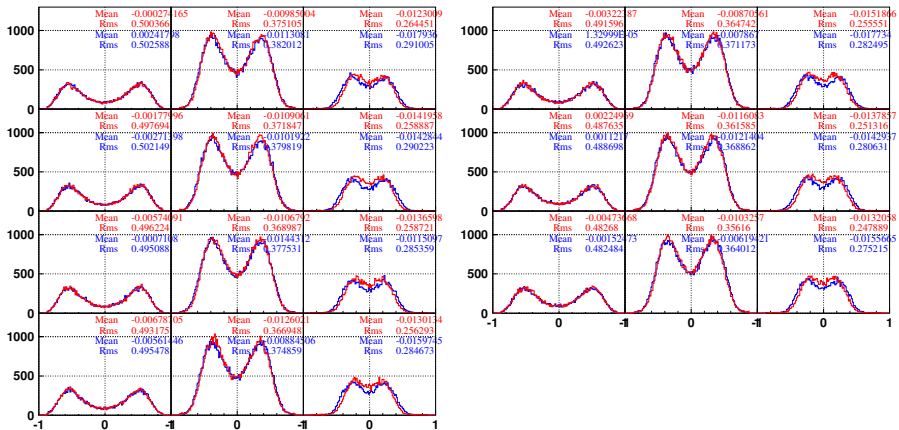


RMS vrs. divergence

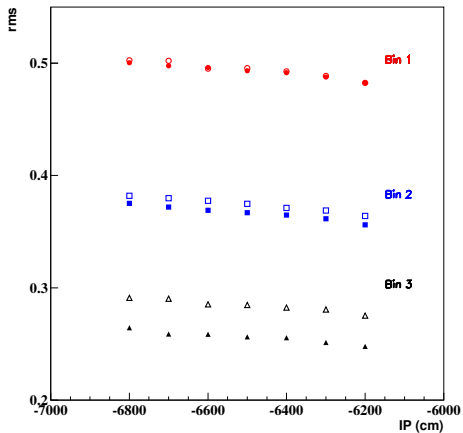


Eta in the bins of energy as a function of IP

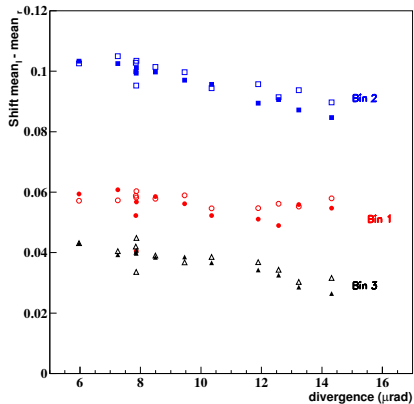
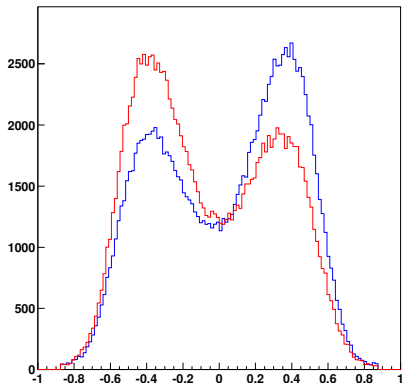
Blue Old beam , red New beam



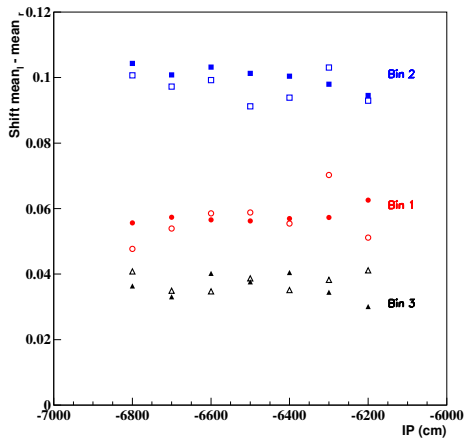
RMS vrs. IP



Shifts of mean

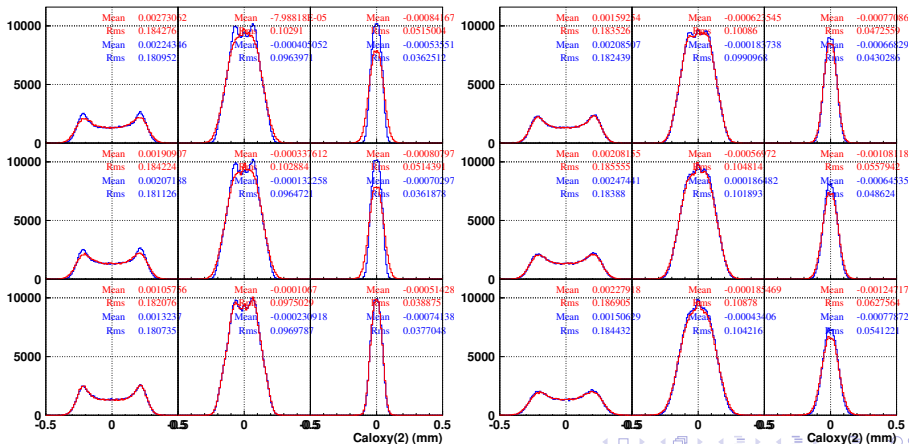


Shift of the mean



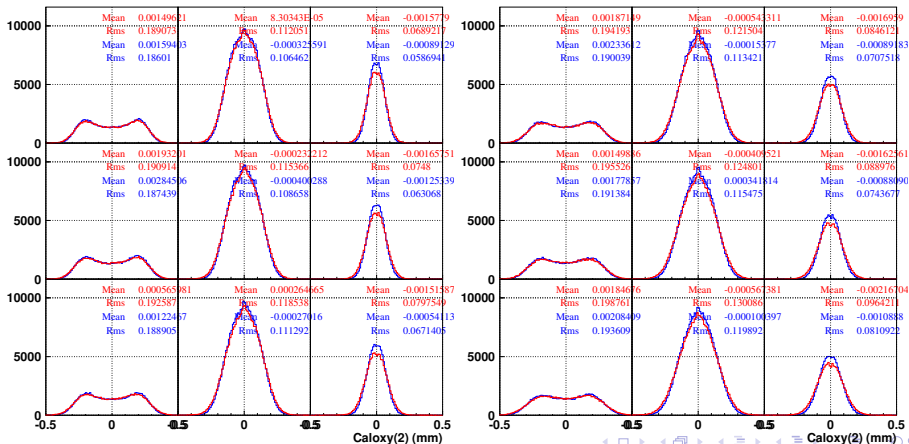
Caloxy(2) in the bins of energy as a function of divergence

Blue Old beam , red New beam

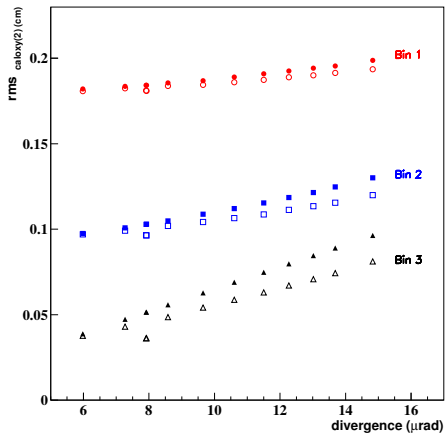


Galaxy(2) in the bins of energy as a function of divergence

Blue Old beam , red New beam

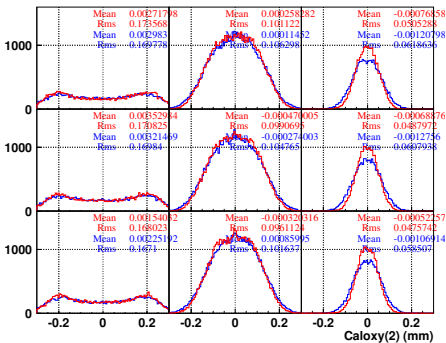
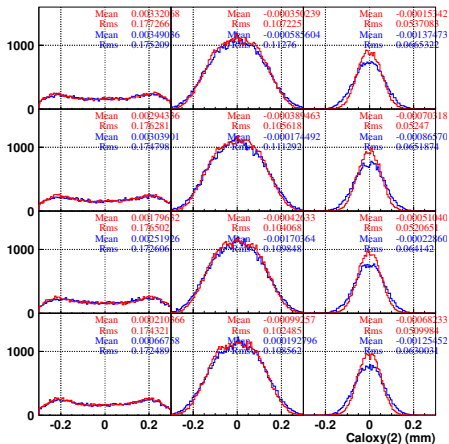


RMS vrs. divergence

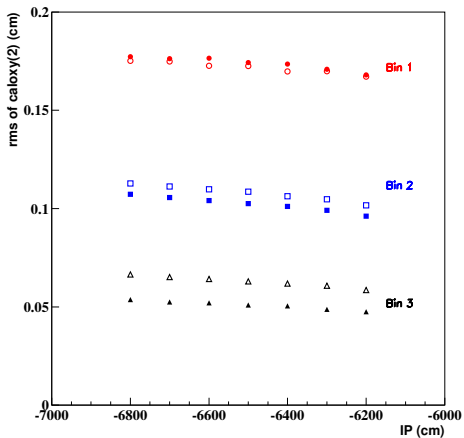


Galaxy(2) in the bins of energy as a function of divergence

Blue Old beam , red New beam



RMS vrs. divergence



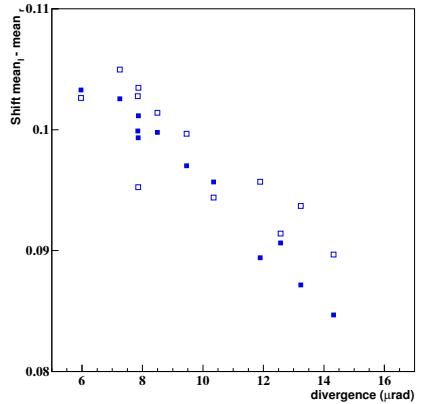
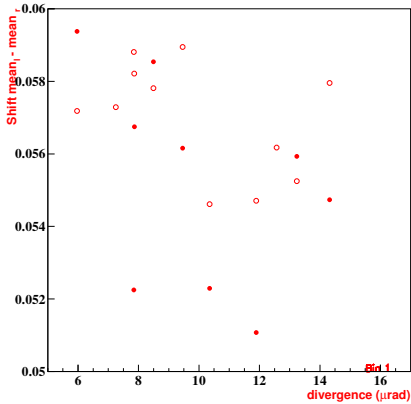
Summary

- ▶ RMS as a function of IP and divergence was presented
- ▶ Divergence as a function of IP and divergence was presented
- ▶ Caloxy(2) as a function of IP and divergence was presented

Plans
Spectrum of the energy
RMS
Shift of the mean
Caloxy (2)
Summary

Backup Slides

zoom of slide 9



zoom of slide 9 cont.

