

Progress report

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Internship of Anna has finished



Olympus

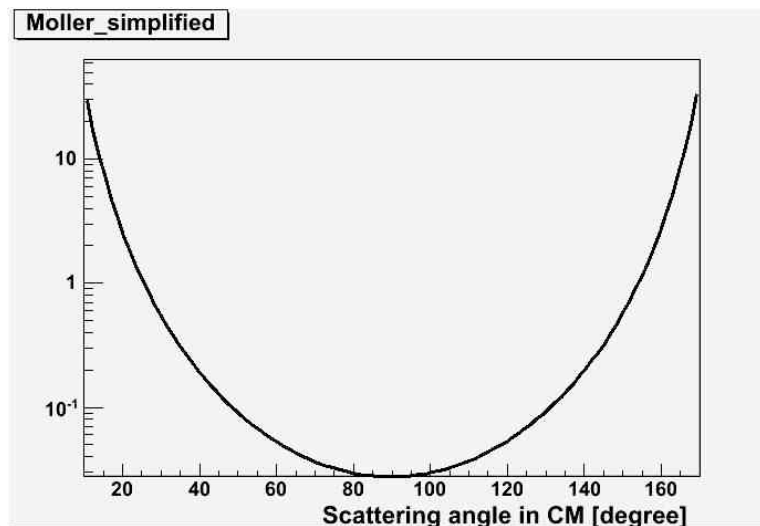


Olympus simulation: introduction

- ▶ Introduction: Moller scattering/Bhabha scattering



In CMS, head on collision. Symmetric



Olympus simulation: introduction

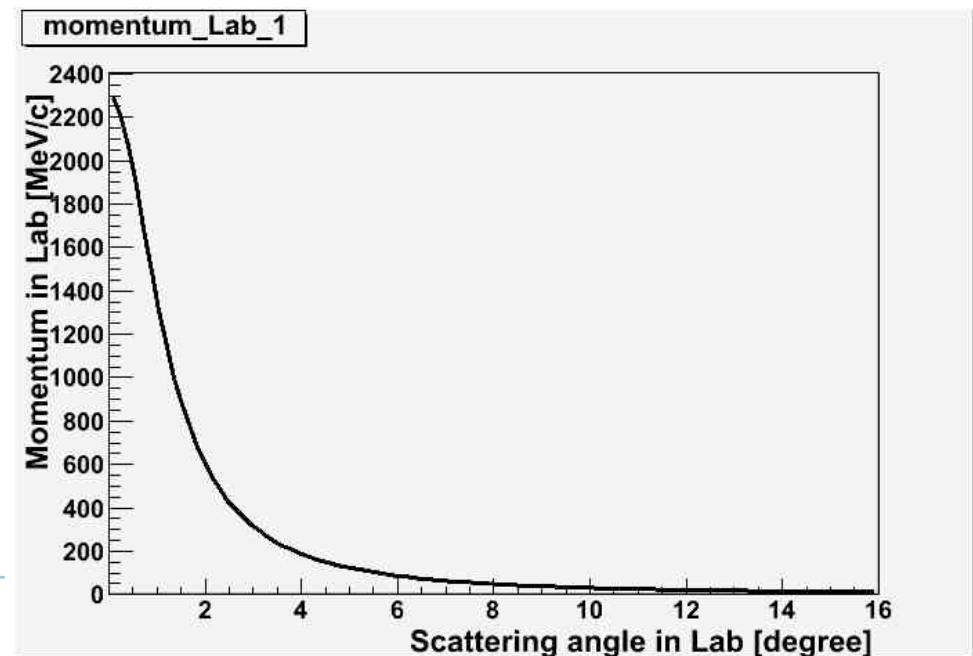
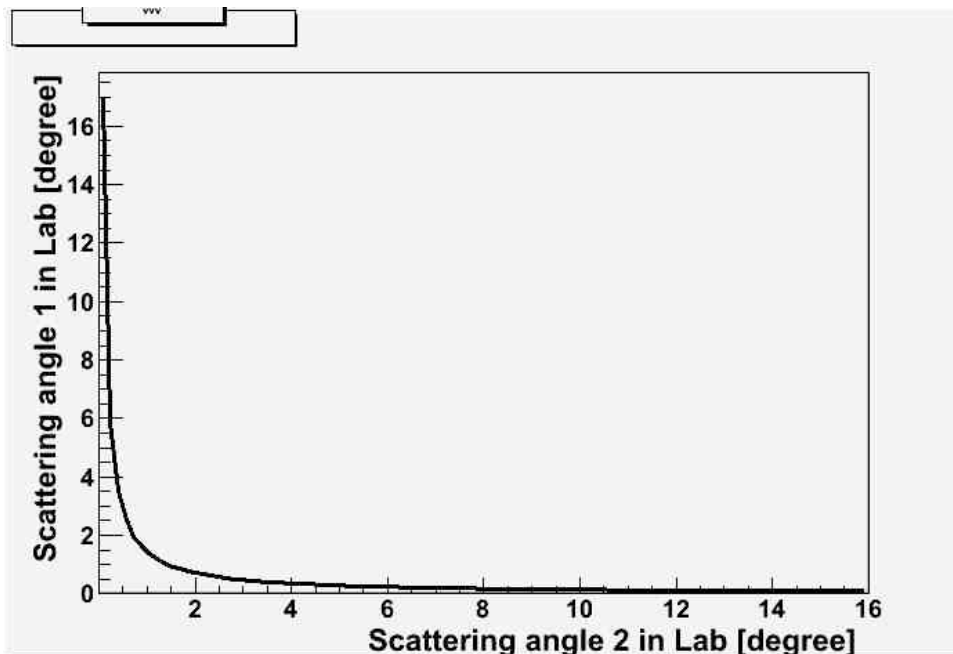
- ▶ Kinematics:

if scattering angle in CMS is $\theta = 90$ degree \rightarrow

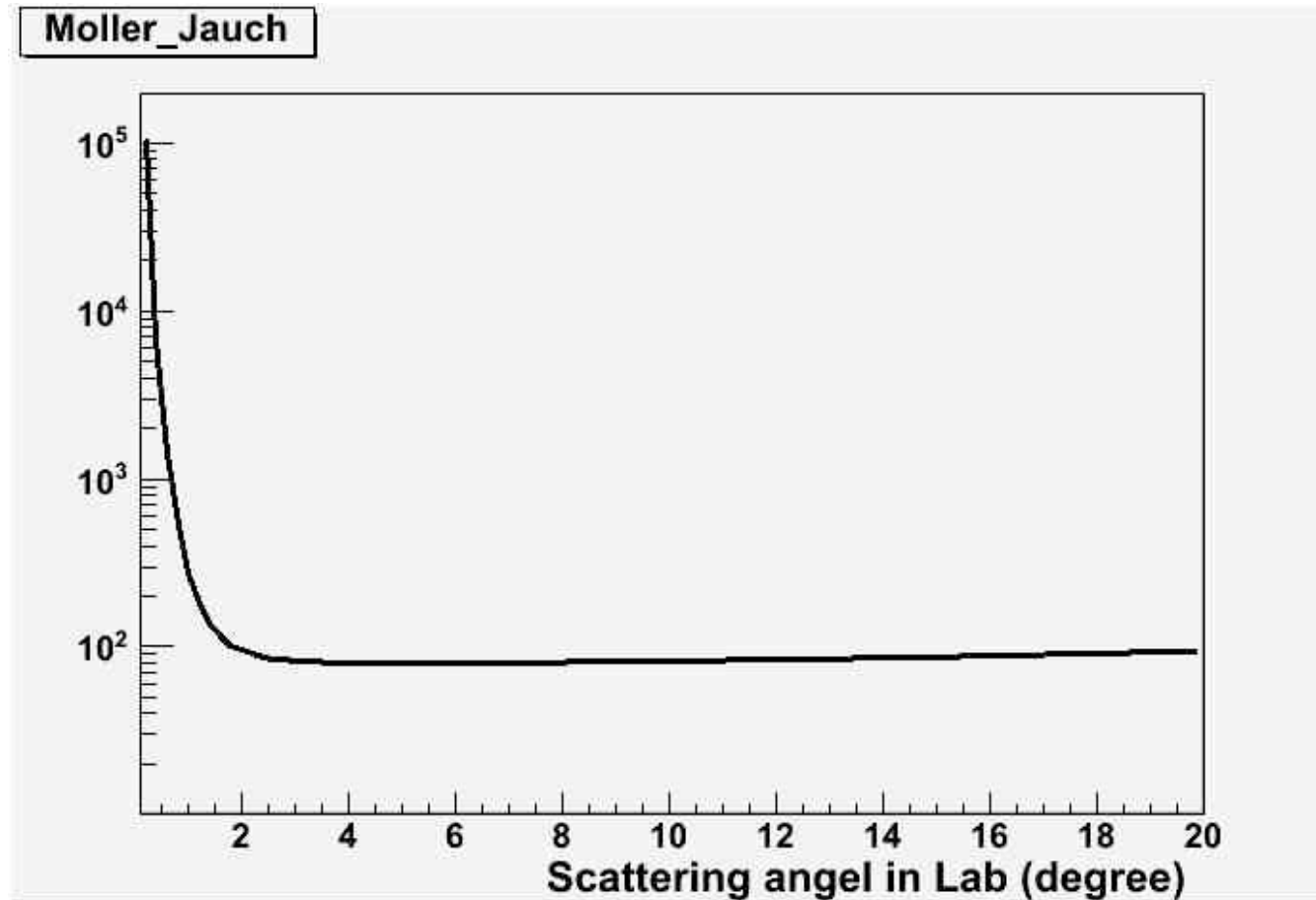
Symmetric Moller scattering;

in Lab frame, $\theta = 1.2$ degree each;

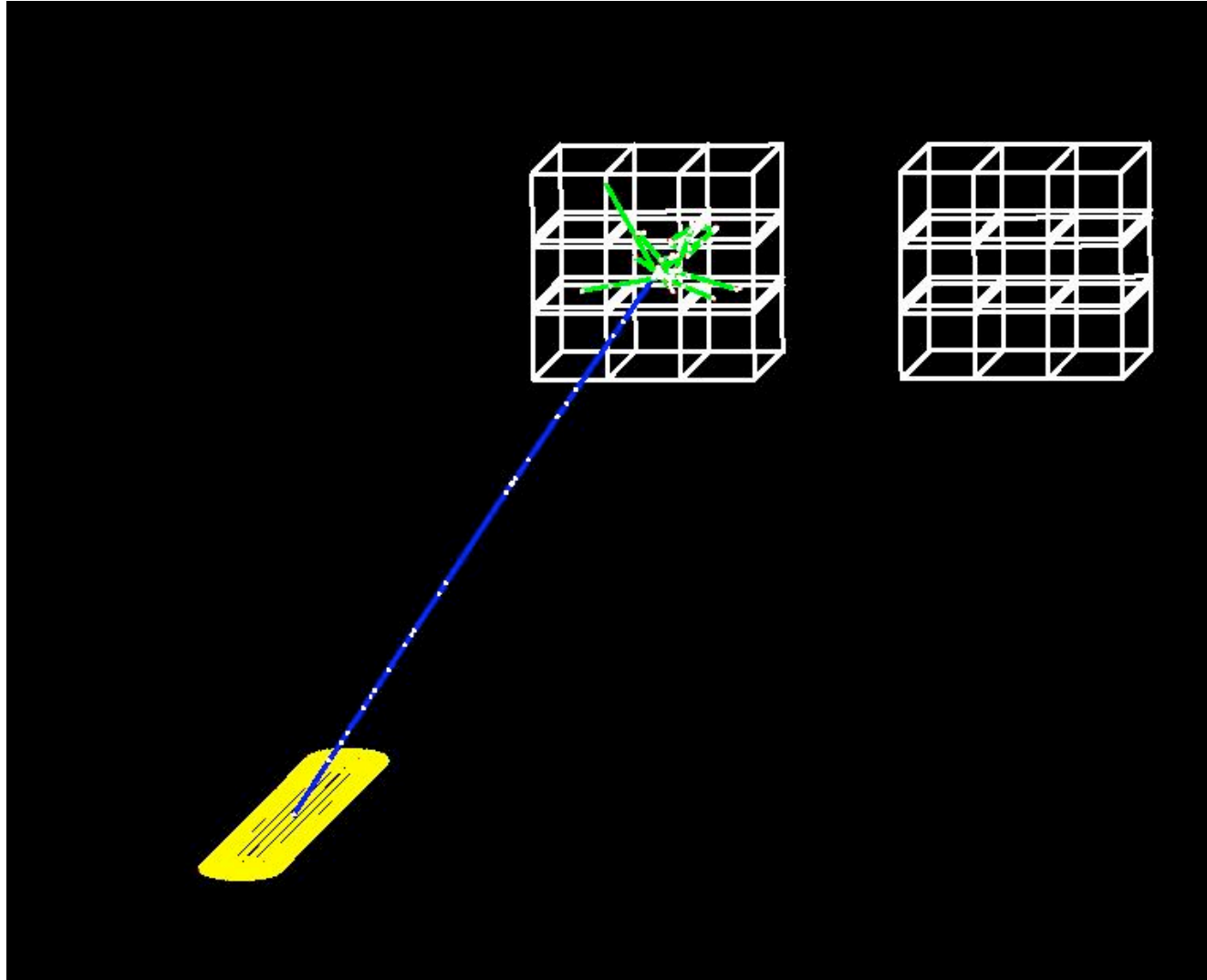
Energy = 1.15 GeV each



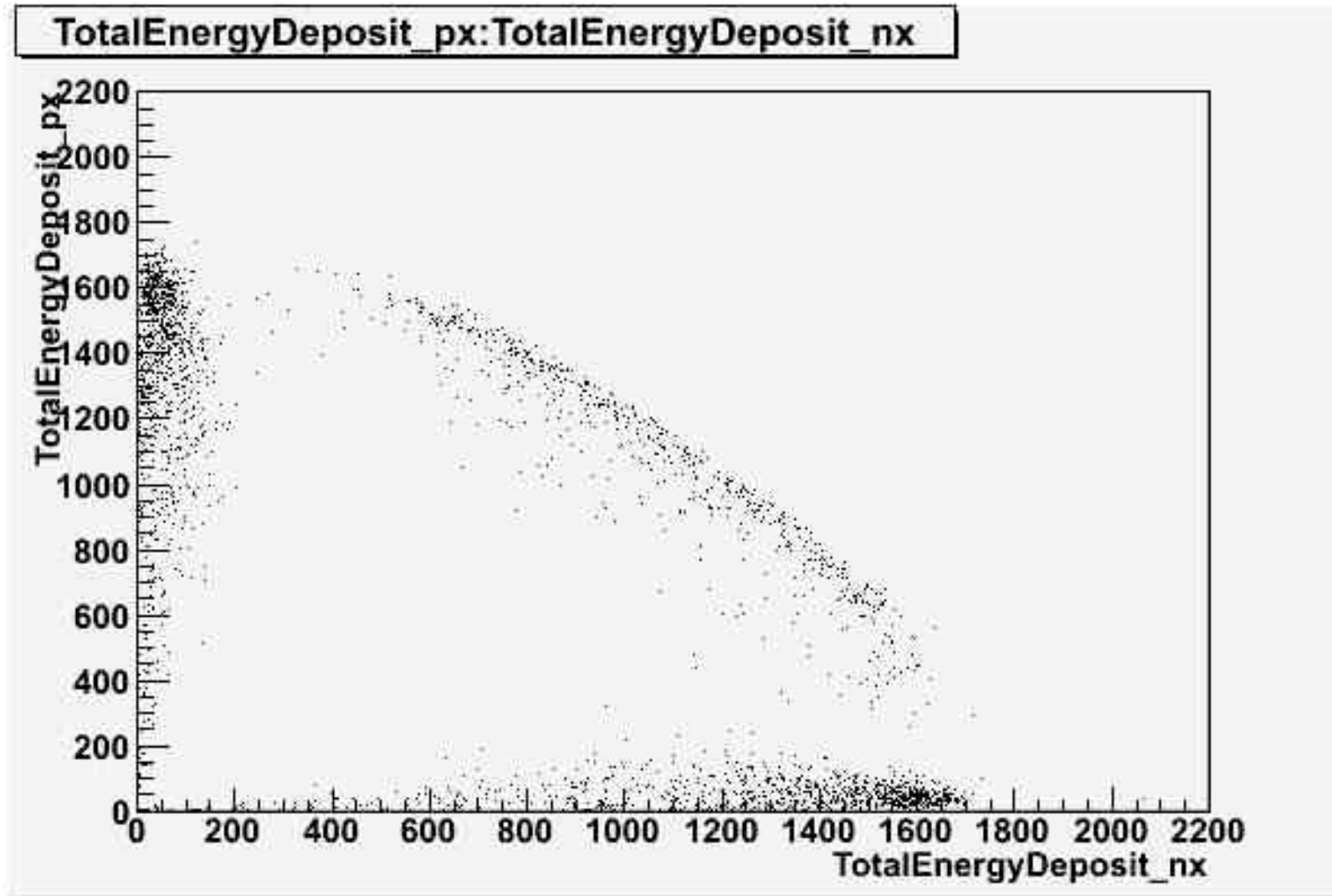
Olympus simulation: cross section



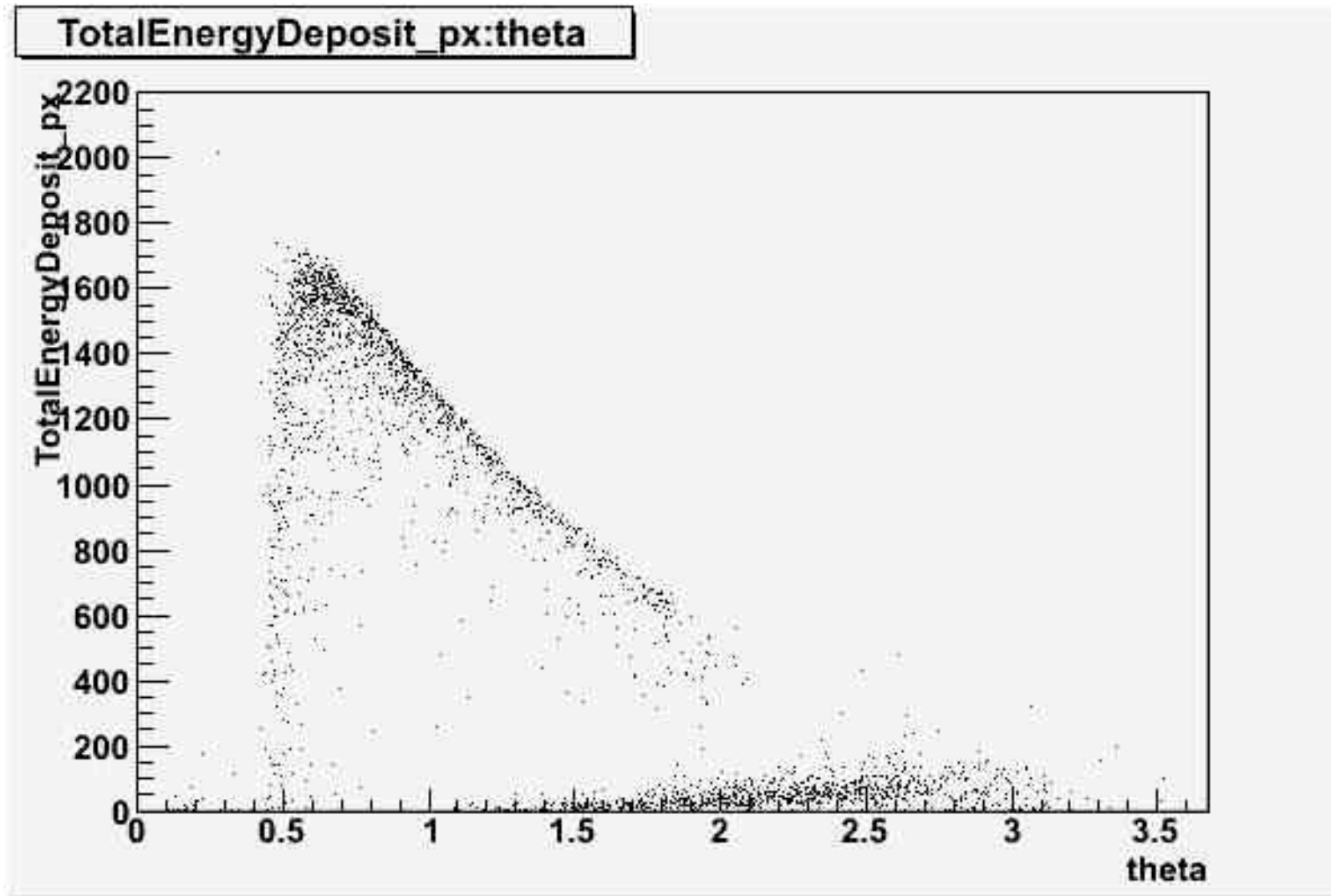
Olympus simulation: geometry



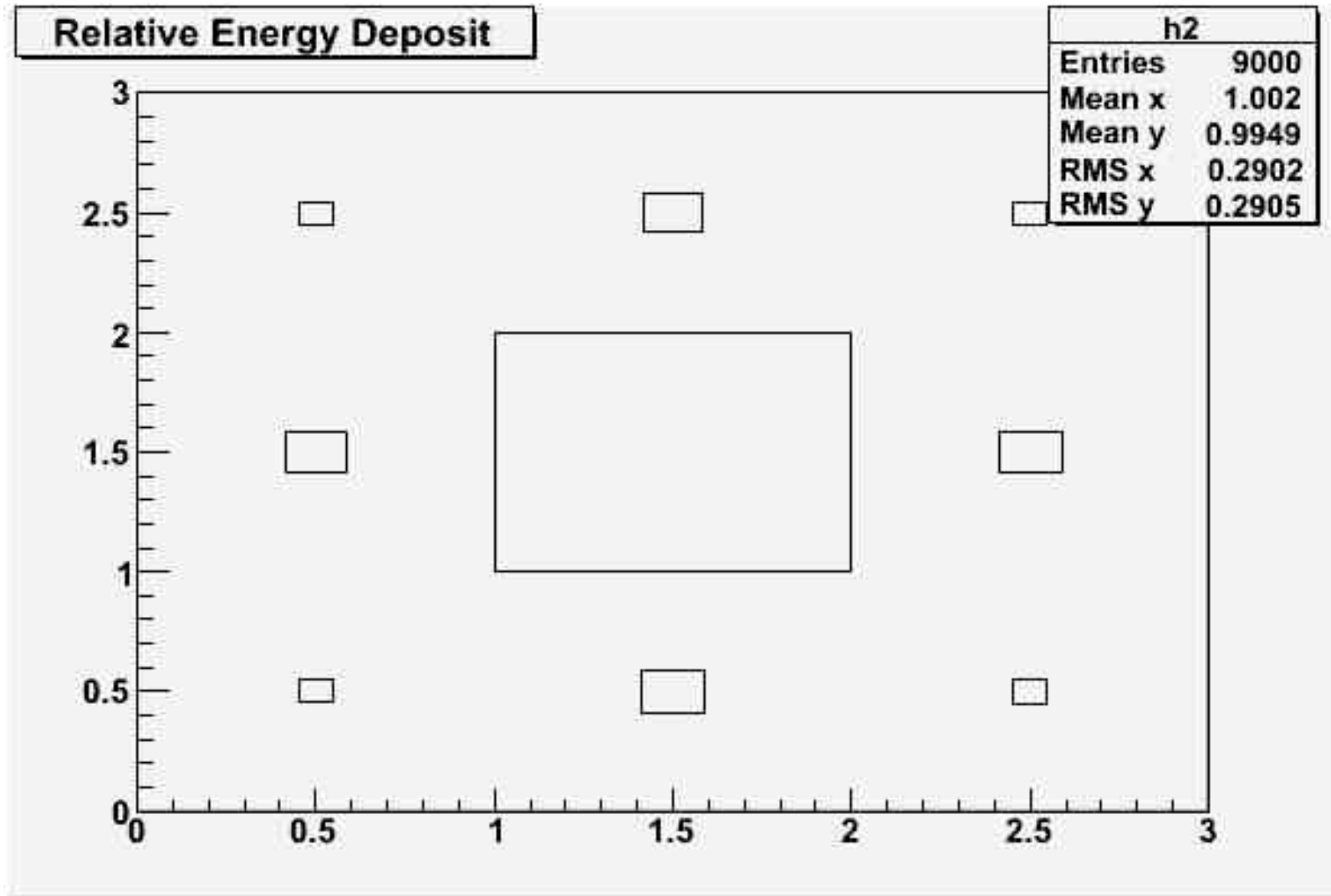
Olympus simulation: reproduce Jurgen's result



Olympus simulation: reproduce Jurgen's result



Olympus simulation: NO Cherenkov yet



Panda



Panda hardware

- ▶ PWO-II: mailed Peter Drexler & Rainer Novotny
- ▶ Electronics for ASIC, not available till the end of this year
- ▶ Power supply for the APD, DIY?



Olympus meeting vs. Panda meeting

- ▶ Our schedule: ??
- ▶ Blaster account: ??
- ▶ GEANT4 study of PWO-II?? (task for the lecture?)
- ▶ Logo of HP2 or HIM to keep properties in order??

