Software Support for the Beam Test

Update

Leon R.

15 December ‘05
More CU Model Travails

15-Dec-2005
Fixed!

The tile was sticking out of the allTowers volume...
So Joanne removed that volume (xmlGeoDbs v1r28p3)
Meanwhile...

Scan in x with 100 GeV electrons

12 positions per tower (in the middle of CsI logs)
Standalone MC

- The HEAD of beamtest06 now contains the code for both the PS and SPS setups.
- The code resides in separate PS and SPS directories.

Thanks Heather!
G4 Visualization

• Riccardo has figured out how to get this working on Windows, both in the stand-alone G4 and in Gleam.
• Much of the work carries over to unix, but the library structure is a bit different; several small libraries are required rather than the one library on Windows. Francesco seems to have things running on unix. (See next slide.) Is there anything else that needs to be done?
• The new libraries (including the UI) need to go somewhere. It would seem easiest to add them to the existing G4 extlib. Less to keep track of… but I’ll leave it up to the experts.
Pictures from Francesco

FRED

OpenGL

15-Dec-2005
Gleam Processing

We uncovered a little wrinkle that will require a bit more work on Tracy’s part.

• G4 ordinarily takes the “vertex” from the mother particle, and the direction from the daughter.

• Our foster mother has a nominal vertex, so it can’t be used for this purpose.

• Philippe uses his own source, so is not affected by this problem.