

LCSim and hps-java Comments

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LCSim comments

- Biggest difficulty: little documentation in hps-java and hps-detectors
 - Often confusion regarding what is up to date and the differences between different detector versions
 - For example, coordinate system shift caused issues early on, especially without reason to assume one
- Huge learning curve for those just starting to use the software
 - I've definitely learned a lot from trial and error, and by asking questions to the hps-software list, but trying to teach new students how to use all of the software will be difficult

Histograms

- Is there any simple way to customize, fill, and plot histograms? I have somewhere between 10 and 15 lines of ugly code for each histogram I plot in one of my analysis drivers, which creates a lot of trouble when I want to add/delete/modify one of them
- It would of course be useful to have some sort of output to ntuples that could be directly accessed without having to run an entire analysis driver over an LCIO file every time