

FastSim status

csg meeting, 25 March 2009

From the Orsay workshop

Missing Pieces

- Track hit confusion (Doug)
- dE/dx simulation
 - Svt and Dch!
- Trigger simulation
- Background mixing
- Forward PID alternative measurements
- PID selectors (Orsay group)
- Tagging for SuperB
- Other?

Areas of major development

(since Orsay)

- Hit merging (and pat.rec. confusion)
 - Good progress since Orsay
 - 1st version code committed. Next, develop pat. rec. confusion module. Expected to be available for Warwick
- dE/dx
 - Uncovered in Orsay. Covered now
 - 1st version may be available on Warwick time scale
- Background mixing
 - One person dedicated to working on it
- Forward PID simulation
 - New PacForwardPid package for forw. PID simulation, defining the code structure
 - PID selectors: code structured, need to develop realistic versions based on det. inputs. Also available 'truth' PID selectors based on configurable efficiencies and mis-Ids.
- Track-EMC cluster matching implemented (it needs refinement)
- Introduction of PacUser to make users' life easier when configuring their analysis
- Discussed strategy to deal with different DGWG configurations