

# FastSim Summer 2010 Production

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SuperB Workshop  
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# Known Incomplete Issues

- Tagging
- Svt dE/dx
- muon ID (lfr)
- Volume navigation
- reco-based PID lists
  - leptons
  - protons
- BReco problems
  - 'duplicate' candidates
  - missing  $M_{ES}$  peak



# New for SuperB

- Background mitigation
  - electron rejection
  - Emc energy threshold
- Reduction of combinatorics
  - more refined lists as input?
  - Use only clean(er) modes?
- Exploitation of new information
  - Forward PID, Backwards EMC
  - smaller beamspot

# Questions

- What analyses are needed in Summer
  - 'final' production for TDR
- What statistics are needed?
- What FastSim improvements are required?
- What backgrounds do we need?
- Can we make analyses more robust against backgrounds
  - multiple Emiss variables with different thresholds?
- Can we make analyses more performant?
  - tighter input lists, fewer modes?