

Work on FTKsim

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IAPP – 21st July 2014

Resolution in FTKSim (I)

- AIM: to implement a new scheme of AM patterns combining the SS+DC+HB info in a single structure.
- FTK_AMBank always coarse resolution
- FTK_TSPBank where the fine resolution is extracted from
 - AMBank
 - Fired_patterns (coarse)
 - DC_mask and HB_mask
- The fired roads are “filtered” and the fine resolution hit position is calculated.

Resolution in FTKSim (II)

- New scheme: the SS presentation includes the DC and HB info
- In the FTK_TSPBank, when the bank is read, instead of just copying the bank in the m_patterns, also copy the dcmask and hbmask for each pattern.
- A modified version of the SS (same SS calculation for the course resolution) + HBmask copied in the LSB (this allow to keep the full precision since the beginning).
- Add the DCmask (to be done)
- The new “pattern format” need to be translated (to be done)
- Test with the ttbar MC data.