V13 training and banks

- 360M single-muon tracks
  - ~50M are lowpt:
    - $pt^\sim 0.8-1.3$, so $pt \sim 0.77-1.25$ GeV
- Sector coverage: 96.5%
  - 280k before cut -> 77k after 15-track cut
  - Plots on next pages as a function of eta etc
- Run time: ~24 hours each for sectors andconsts
- Consts, ftksim running in 32 parallel jobs:
  - 8 phi-regions * 4 subregions
  - 32 sets of sectors, patterns, constants
- Memory on disk: 1.5Mb (sec), 55Mb (const)
Before 15-track cut

Sector coverage -vs- eta

Fixed loss of coverage at high eta

After 15-track cut
Final (post-cut) sector coverage

(1st region only)
First look at bias in constants. Red – smooth fulletta; black – includes lowpt
Status & plans

• Pattgen patterns will finish tonight
  – Will make sure ftksim works fine after 32-split
  – Test external hitwarrior
  – Look in more detail if constants are now biased

• Start patterns-from-constants production
  – Scripts almost ready for parallel large-scale production
  – Random seeds synced to unix clock
    • Can run simultaneously in PISA and Chicago
    • Then merge into final pattern banks