Latest banks

- Updated constants (z0 definition fix)
  - compatible with old patterns and sectors
- Pattern banks 20M (all) -> 10M (w/o 1track)
  - 8x200M patterns-from-constants + 350M pattgen
  - **Total**: 9 runs merged * 32; ~87-88% coverage.
  - **Time**: ~4 days
- /castor/cern.ch/user/k/kapliy/
  - constants.tar.bz2, slices.tar.bz2
  - sectors.tar.bz2, patterns.tar.bz2
  - indep_singlemu.tar.bz2 – 1M singlemuon sample
Running ftksim

- /castor/cern.ch/user/k/kapliy/config.tar.bz2
  - Extract and read config/README.AK
- Generates all .in files
- Can submit one ftksim job overnight
  - Will run sequentially all 32 subregions
- merge, hitwarrior, ftksim_comp in one line
- Produces basic plots
- Note: updated version of mergePOut in CVS
Training parameter coverage
Pattern coverage

All patterns

> 1 tracks

88% Less flat 87%
Pattern coverage

All patterns

> 1 tracks
IP resolution: single muons

~40 microns (over full eta)

No change from before!
Fakes and ghosts summary

Fakes Summary

w/ match (95.5 %)
w/o match (1.8 %)
dupl. (2.8 %)
Efficiency -vs- curvature
Efficiency -vs- IP
Efficiency -vs- cot(theta)
Efficiency vs $Z_0$
IP resolution

I.P. resolution

hsto_ip_res_ftk
Entries  70057
Mean   0.0003859
RMS    0.00826

hsto_ip_res_ipat
Entries  81574
Mean   1.264e-05
RMS    0.00543
cot(\theta) resolution
z0 resolution (fixed)
B-tagging and trigger

- Works in v13.0.40.4
- Looking at dq2-produced Whuu and Whbb samples (b-tagging vs mistag rate)
- These files use “old geometry”
  - Ultimately – what we need
  - But: current banks are for “new geometry”
- Will have some plots for next week (L2 & EF)