Short Term Plans

→ B_d and B_s mixing abstracts submitted to EPS
  No news about talks until early June
  (abstract submission deadline extended to May 28)

Milestones are approaching FAST!
→ Prepare a full set of presentations for SLD week in 2 weeks only

• June 6-7 (wk -3): SLD week
• June 27 (wk 0): final review by collaboration(?)

GOAL: present B_s mixing amplitude fits for 1996-98 data on June 7

What to do to achieve that?

FREEZE analyses now
  Data/MC comparisons + reparameterizations + validation tests
General Issues/Needs (I)

• **Initial State Tag** (Thomas Moore)
  BLISTAG updated with NN outputs, now available in DEV BLIFE
  needs final tuning + calibration from data

• **Inclusive Topological Vertexing** (Julia Thom + SW)
  BLFLHAD3 updated and being cleaned up for general use
  needed for initial state tag  -->  available in DUCS soon
  BLFLHAD3 will also include charge dipole with all cuts applied for
  consumption in the lepton+D analysis
  BLTOPVX3.IDA will also be updated
General Issues/Needs (II)

• Other Common Issues:

→ Track efficiency correction: (should be used for parameterizations)
  use BTRKTOSS from Thomas W. but rebuild ZXTRKS afterwards!

→ Track position smearing: (should be used for parameterizations???)
  use latest BTKRESC from Aaron/Su Dong

→ Extended muon ID:
  use DUCS DEV KAL, WIC

→ Event lists:
  need new lepton+D lists (some runs missing, extended muon ID and
  new direct lepton selection?)

→ Track selection cuts: are we using the same?
Dipole Analysis Status (I)

• Final Clean-up
  → Finalize BLFLHAD3 + ntuple making routine (Julia + SW)
  → Resolution function test in MC (Julia)
  → Test of new BTKRESC with data/MC comparison (Julia)
  → Writing new routine for inclusive D* identification (SW)
  → Reparameterize everything with “nominal” MC (Julia + SW)
Dipole Analysis Status (II)

Resolution test

For $B_s$ with last year’s ntuples

Histogram = resolution function

Data points = $t_{\text{rec}} - t_{\text{gen}}$

residual from MC

Each histo corresponds to a different $t_{\text{gen}}$ range (0 - 0.2, 0.2 - 0.5, 0.5 - 1, 1 - 1.5, 1.5 - 2.5, > 2.5 ps)

There is work to do!

S. Willocq

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