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_{rec} - t_{gen} residual from MC

Each histo corresponds to a different t_{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!