BLAST Analysis Meeting
19 January, 2006

Straight track analysis with refined event selection (DH)
- Still analyzing data but removing tracks which are close to the wire shows a symmetric (ie no shoulder) 1.2 mm shift in right sector
- Physical measurement of shift in WC using tooling balls in chambers currently on the floor of the south hall only shows a 0.005 +/- 0.005” discrepancy between the two sectors. Will repeat with theodilite.

Adrian looked at Genya’s idea of energy calibration using punch through in the TOF’s to compare with energy determined from WC tracking and also from time of flight but the ep elastic scattering data does not yield a punch through peak so technique can not be used.

Nick has the form factor files from Arenhoevel all implemented and available for use. Link will be sent around later. Shift in peaks from radiative effects depend on resolution. Adrian is looking at it.

Eugene sent plots showing the difference in ep elastic data compared to calculated is larger with the new field map. Selection is all Q**2 so dominated by low Q**2 which may be sensitive to energy loss so needs to be checked with MC.

Eugene is setting up MC in Arizona to study energy loss, radiative effects, etc. Adrian has done this but still tracing down details. Eugene should generate events on the buds and transfer data to ASU rather than setting up system on machine at ASU. Adrian and Eugene should work in parallel.

Renee is looking at hPz analysis but has some problems she is still looking at it.

Tavi reported on delta+ studies. Looking at triggers 1, 2, and 7 so can analyse as a sum or separately as the efficiencies may differ for each and asymmetry as well. Significant difference between MAID 2001 and 2003 should be investigated by running both with bug in 2001 calculation removed. Measured asymmetries with sums of triggers do not agree very well with theories. Should separate triggers and compare. Data is not corrected for radiative effects. Should generate MC data and apply trigger cuts.

Taylan will send around the proposed proceeding paper from PANIC. Next analysis meeting will be on Wednesday next week at 10:00 to coincide with Bill’s lunch time seminar and to allow Tavi to attend.