MINUTES OF THE 119th MEETING OF THE ENERGY CALIBRATION WORKING GROUP

held at CERN on February 7, 1997

Revisiting the 1995 BOF-EOF calibrations (P.Renton)

Following Angelika's similar study Peter has analyzed the 1995 BOF-EOF fills. He comes to similar conclusions. In particular after applying the hor.corr., tide and temperature model only 1.25 MeV remain to be accounted. He then studied the average rise seen by the NMR48 pseudo device and saw that while the whole set of fills (with bending modulation) the expected average rise after temp. correction is 2.6 MeV for the subset of BOF fills the rise seen by the NMRs is only 1 MeV. IN other words the fills with multiple polarization exibit a rise during the fill smaller than the other fills.

Cross checks about the energy files (G. Wilkinson)

Guy has adapted the original Kin's program to prefoma detailed corss checks on the test energy files produced by Mike. IN particular wrt the code used at the time of Warsaw he has introduced the new 2T temperature model, the 2D rise parametrization of Mike, the new hor. corr. corrections. HE has compared for each fill the luminosity weighted difference between the files produced by him and the equivalent ones produced by Mike.

Differences observed: some fill outliers after all correction (to be checked in detail)

Significant spread about Xarc correction: most likley due to different treatment of data - Mike is interpolating between fills.

Vernier corrections: differences should disappear once Mike starts using the official Yamartino's files.

Overall normalization offset: to be checked.

Energy file production (M.Koratzinos)

The test version of the 1993 and 1995 energy files is available.

During the discussion a few points were made clear: the Hor.corr correction should be used within a fill. That means that only the relative changes from the first logging after physics was declared should be used (not the absolute value). Fill to fill variation should be absorbed by the Xarc correction.

He also showed the progress in the so called 'Tuesday' train model.

Next meeting Feb. 14th at 10:00

Scriba:Tiziano Camporesi