

Minutes of the Electroweak Heavy Flavour Meeting 19 October 1993

1) **J. P. Lees: Electron Identification Efficiency.**

Jean-Pierre used very clean samples of electrons selected using very tight dE/dX cuts, photon conversions, electrons from tau decays and Bhabhas, to compare the electron finding efficiency in data and Monte Carlo for 1992. His results confirmed previous indications of small differences at low momentum in the barrel and high momentum in the end cap. He also investigated hadron misidentification rates.

2) **J. P. Lees: Use of the BTAG in Lepton Analyses.**

This was a preliminary presentation of the use of both the lifetime B-tag and the lepton B-tag, to evaluate the ratio $R_b = \Gamma_{b\bar{b}} / \Gamma_{\text{had}}$. He showed that the two tags could be used to investigate the systematics of the other approach. So far, the overall uncertainty was not as good as in the single lifetime tag alone, however, the method should certainly be pursued.