ALEPH 93-38
PHYSIC 93-29
R. Settles
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MINUTES OF THE QCD MEETING ON 9 FEB 1993

1) **Alex Finch: $\alpha\alpha$-> hadrons**

Alex described his improved studies, for which a new draft now exists. Improved cuts have eliminated the z - background, and an improved Monte Carlo version of the Drees and Godbole QCD calculation (the Tasso implementation) has been used. By adjusting the VDM component to fit the bulk of the data at low Pt and the QCD plus QPM component to fit the high Pt thrust tails, Alex got a reasonable reproduction of the data for all W_{vis}, Pt thrust and thrust.

2) **Mokhtar Chmeissani: using PPCA to study QCD coherence.**

Mokhtar's accompanying note contains a detailed description of his analysis. The Particle-Particle Correlation Asymmetry (PPCA) data shows a preference for models which include QCD coherence effects, whereas models without coherence show dramatically worse χ^2.

3) **Michael Schmelling: QCD colour factors and the running of α's.**

Michael showed how the running of α's depends on the colour factors (gauge group) of QCD. This adds an addition constraint-contour to the colour-factor analysis of Frank Steeg (ie.the Aleph 4-jet analysis paper).

4) **Ingrid ten Have: Summary of the Inclusive Particle Production Meeting.**

Ingrid showed the main results of fascinating studies by Armin Boehrer on ρ production. By adjusting the Bosc-Einstein correlations and the η^1/η composition, one can get the Monte Carlo to fit the $\pi^+\pi^-$ mass spectrum and enable us to extract the ρ signal. She then showed some results of Peter Hansen's V^o-correlation studies and of the analysis of the K^o spectrum by Paul Colas and Marie-Claud Le Maire. Finally, Gerald Rudolph's 17-parameter fit to jetset is starting to produce interesting results.

5) **Christos Markou: Quark/Gluon Jet Properties.**

Christos showed results of the Quark/Gluon meeting. Recent work has concentrated on the definition of a gluon jet, how well it can be identified, (efficiency), and the purity of the tagged sample. He also gave an interesting first look at the properties of tagged gluon jets.