

Minutes of the JADE Meeting
held on 14/3/85

Agenda: Preparations for the forthcoming run

Wulfrin Bartel headed the meeting of a depleted JADE collaboration with many members being away to Munich "enjoying the beer"! Those of us remaining (and sober) were informed that PETRA is working well and that both electron and positron beams have been successfully stored. The first luminosity run is expected on 18/3/85 as scheduled.

Reports on the various detectors constituting JADE were given; and basically JADE is ready and willing for data. However a few TOF counters were found not to be functioning and these have been disconnected. The TOF threshold is also to be lowered to improve the detection efficiency for minimum ionizing particles. However, this threshold may be raised again should the number of corresponding trigger bits be seen to zoom up! A total of 6 muon chambers (from 618) are not in use because of a permanent fault, and a further 16 endwall chambers (situated close to the beam pipe) which were disconnected during the last run period because of intolerable background radiation, will only be reconnected if the background conditions prove 'acceptable'.

Henning Kado illustrated that a suitable operational anode voltage for the vertex chamber is restricted to 1.5 kV. This voltage just reaches the efficiency plateau, but any further increase appears to result in an unacceptable number of overflow channels per wireside! The FAMP meanwhile will not be put into service until data-taking has stabilized.

The magnet current is limited to 7000 amps until the arrival of some new chokes in April. If, in the meantime, we were to run at the suggested 6800 amps we would not collect a sufficient amount of data in order to obtain the necessary calibration constants. Hence the current will be set to 6300 amps which is the setting used during the last run period. With the arrival of the new chokes, the magnet current will be raised to the

usual value of 7500 amps.

JADE personnel are reminded that they are now responsible for monitoring the gas supply for the muon chambers and z-chamber. An instruction manual is presently being formulated which will inform us of how, when and where to record the required readings.

.... and finally, back in the counting room

The Gould plotter is not working (hopefully it will be before the start of the run). Grumbles all round for the lack of decent chairs there; and who's nicked those great big pair of scissors!?

Next JADE Meeting 21/3/85

Jan Chrin 7/3/85