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To/A : Professor J. Lefrançois, Chairman SPSC

From/De : UA1 Collaboration

Subject/: Running conditions for UA1 in 1982/83
Objet(1) 1982 Schedule

It is our intention during at least the initial collider period of 1982, to run with the highest possible luminosity for the longest time. This means we do not request high β operation in LSS5. Clearly should the proposed growth in luminosity, and improvement in SPS reliability not materialise as quickly as envisaged, we will reconsider this decision.

It is our belief that all the \bar{p} -p MD periods planned during fixed target operation will be essential for the growth of luminosity up to a point where W searches become a practical reality this year. However should the SPSC decided to give some of this time, during period 4, to physics with UA5, we formally request that we are allowed to install our luminosity detectors for calibration using elastic scattering during the collisions.

(2) 1983 Schedule

Our initial response to the proposed 1983 schedule was rather favourable but we had not been made fully aware of possible loss of time through the EDF contract. These arbitrary unscheduled stops are much more damaging to the collider operation. The machine is more difficult to restart and it complicates the phased operation of SPS and AA. We feel strongly that the Collider Programme is not the place to accomodate all the enforced EDF closures.

(3) Ramping SPS for 1 TeV collisions

If this becomes a practical possibility at some future time even at very low luminosity, we wish to install the whole UA1 detector in order to explore the new energy regime.

(4) UA6 Installation

We believe that for a number of valid reasons no conclusions can be drawn from the previous test regarding the potential ability of the UA1 experiment to run with the UA6 experiment present in a parasitic mode. The test should be rescheduled in MD time, with the SPS in a more operationally sound condition, a more realistic pressure bump, and UA6 experimenters involved.