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MEMORANDUM

To : LEAR Users and for information to the PSCC
From : PS Co-ordinator
Subject : Possible LEAR operation in 1983

The Research Board (18/11/82) has approved the PS Schedule for 1983. It is shown overleaf and allows to make a first guess for the \bar{p} LEAR Operation.

Until 18 July there are no \bar{p} for LEAR physics available.

In Period 1 the PS runs mainly for neutrino oscillation experiments and the LEAR beam area will not yet be ready. In Period 2 the PS+AA complex is needed for the $\bar{p}p$ SPS Collider.

Protons from LEAR may be available from May 1983 on for a limited amount of time for test purposes. This depends on the progress in LEAR running in and on the availability of manpower.

During the ~ 3500 hrs in Periods 3, 4 & 5 (SPS fixed target operation) it is estimated that the PS+AA complex can provide in total ~ 2000 to 2100 hrs of \bar{p} operation for LEAR and ISR. For LEAR this will result accordingly to only 1200 - 1400 hrs of \bar{p} operation in 1983. This time also includes all \bar{p} MD and setting up.

For AA a 5 week shutdown is foreseen from week 32 to week 36 in order to do maintenance and upgrading work. For a fraction of these 5 weeks Linac I will not be available, so that there are also no protons for LEAR. In week 39 (29 Sept.) till week 40 (5 Oct.) and in week 43 the AA is required by the ISR for high luminosity $\bar{p}p$ runs. During week 28 through 31 the ISR gas jet experiment wants to use the AA part of the time.

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