

Soble
Mrs A. Molat-BERBIERS

AA Long Term Special Announcement

AN
ANTIPROTON COLLECTOR STUDY

will be held on

December 13 and 14, 1982

in the PS Auditorium

THE PURPOSE OF THE STUDY IS TO ASSESS THE TECHNICAL FEASIBILITY OF A MACHINE WHICH WOULD COLLECT 10^8 ANTIPROTONS PER PULSE PRODUCED BY A 26 GEV/C PROTON BEAM.

THE TOPICS TO BE COVERED INCLUDE :

- SHORT BUNCHES IN THE CPS,
- SPS WISHES FOR AN IMPROVED \bar{P} -PHYSICS,
- ANTIPROTON PRODUCTION,
- VERY HIGH FIELD GRADIENT FOCUSING LENSES,
- INJECTION/EJECTION SCHEMES,
- BUNCH ROTATION TECHNIQUE,
- HIGH FREQUENCY STOCHASTIC COOLING.
THEORY AND TECHNOLOGY (LOW NOISE PREAMPLIFIERS,
HIGH POWER AND BROAD BAND TRAVELING WAVE TUBES,
PICK-UP/KICKER STRUCTURES, ETC.),
- LATTICES WITH VARIABLE γ -TRANSITION (LINEAR AND
NON-LINEAR THEORY, MAGNETS, CONTROLS, ETC.).

THE SUBJECTS PRESENTED AT THIS STUDY SHALL BE SENT TO ME BY DECEMBER 1, 1982. A DETAILED PROGRAMME WILL THEN BE ISSUED. PROCEEDINGS OF THE A.C. STUDY WILL BE PUBLISHED AND, IN ORDER TO ALLEVIATE THE EDITING TASK, THE AUTHORS ARE KINDLY REQUESTED TO BRING A TYPED COPY OF THEIR PAPER WITH THEM. COPIES OF THE AA LONG TERM NOTES CAN BE OBTAINED FROM ANNE MOLAT-BERBIERS (TEL. 3631, 3808).

BRUNO AUTIN
AA GROUP
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