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Set up of FEB Power Supply Amplitudes, Timing, Polarity

L. Blumberg

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Collider Accelerator Department
Brookhaven National Laboratory

U.S. Department of Energy

USDOE Office of Science (SC)

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NO. 32

Blumberg
WEDNESDAY, AUGUST 15, 1973

FEB BEAM COMMISSIONING STUDY

Scheduled 0001 - 0800
Actual 0100 - 0630

BLUMBERG, KEANE

WE DEVOTED SHIFT TO SET-UP OF POWER SUPPLY AMPLITUDES AND TIMING AND GENERAL SYSTEM CHECK-OUT. NO EXTRACTION. WE FOUND INCORRECT POLARITY INDICATION ON CURRENT IN H16,17 BACKLEG WINDINGS BY OBSERVING RELATIVE POLARITIES OF B SIGNALS FROM E3,4, E16,17, H3,4 AND H16,17. FURTHER CONFIRMED BY FACT THAT H-SUPERPERIOD ORBIT BUMP KILLS BEAM. REVERSED CABLES FOR THAT BUMP AND CONFIRMED THAT BUMP NOW DOES NOT CAUSE BEAM LOSS. TURNED AGS OVER TO OPERATIONS AT 6:30 FOR VACUUM SCANS AND COOL-DOWN.

BEAM SET-UP IS SERIOUSLY HAMPERED BY HAVING TO USE THE MANUAL DATACON CHASSIS AT MAIN CONTROL CONSOLE. WE NEED COMPUTER AND BUG-FREE "PAGE 8" CODE.