FEB Commissioning Study
Keane, Cornish
scheduled 0001 to 0600

May 6, 1974
NO. 67
Blumberg

Object I See if I10 Magnet causes machine aperature at injection
II Extract fraction of Internal beam at I10

Results

I. There was no interferance at injection!
I10 magnet position was run at its max. in position (H10 FEB Position .375 IN)
I10 backleg P.S. ran at max current
Ran out past transition with no problem
Note: that early radius shift (50 millisec) had been set up for hand 110 shift

II Extraction at I10
Did get extracted beam on both I13 and I10 flags, Intensity & extraction efficiency unknown.

(a) Had no indication on I13 current transforms & still have computer problems when try to run FEB [25, 75]

(b) With C15/E15 OFF & all other parameters set had notch in circulating beam of ≅15% at extraction time, Could reduce notch magnitude by pulling out I10 magnet & then turning off I10 bump but could not eliminate completely, turned off I10 ejecta magnet & did not have any effect

(c) With C15/E15 On circulating beam monitor droped to about 45% at extraction time.

(d) Noted rotated ellipse at I13 Flag slightly rotated at I10 flag