

2023/03/07

- Testing of the RMF ~~to see no pick up~~ on the X-ray spectrum -

- CC Midpoint Ap0

- 10:37 am RMF - 5 kW

The front end of the SDD was covered with foil paper -

- NO pick up seen

NO

Helical plasma

- 10:39 am RMF - 10 to 11 kW -

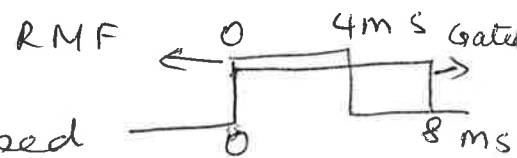
NO pick up seen ~~when~~

~~The~~ The RMF ~~was ON~~ - Plasma was ON

~~to~~ $V_F = 2.212 V$
 $V_R = 356 mV$

1 - 0.282 m Torr

10:58 → RMF power was increased



B.B = Magna P = 153 A, Nozzle = 103 A

11:11 → The Ap2 - CC Midpoint C/R = 23183

B.B = 170 A Ma P = 153 A Nozzle = 103 A

01]

Pressure = 0.266 m Torr

ST = 1.0 %

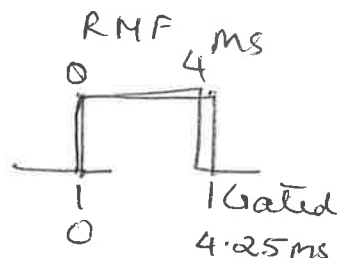
02 CC Nozzle also gated
ST = 1.8%

$$- C/R = 3108.7 /s$$

03 - CC Midpoint Ap2 - again

04 - CC Midpoint Ap2 - Gated for 4.25ms

is ON for 0.37ms to



The Helicon was ~~turned off~~ RMF power

11:31pm increased

05 - The CC Midpoint Ap2 - ST = 2.0%

11:40 am

$$C/R = 796 /s$$

06 - The CC

ST = 1%

11:42 am

11:45 (DSO)

$$C/R = 51,947 /s$$

RMF power increased. The BPD ~~was~~ had to be shielded more.

07 -

RMF - 2 ST 1%

$$\left(\frac{28120}{1.28} \right)$$

(This seems real data)

The Aperture set of 0

08 - CC Midpoint Ap0 - ST = 1%

(DSO)
12:02 pm

11:59 pm

The Aperture is set to 3

09 - CC Midpoint - Ap3

$$C/R \left(\frac{183,018}{2.07} \right) = 88,414 /s$$

2023/03/07

Already set @ FT = 85.25 in CC Midpoint (3)
Digital oscilloscope = 80 mV

10 — CC Midpoint - RMF - 3 -

12:18 pm
DS-012:20 pm

— changed back to Ap2

— check with 07-data

11 — CC Midpoint - Ap2 - RMF - 3 - 240 μ tor C/R = 60,724/s

— RMF power increased

12. — CC Midpoint

(Peak is at channel 14, $\text{counts} = 9660$)

Plot RMF
power versus
for diff X-rays.

$$\frac{C/R = 93,885}{1.31} = 71,667/s$$

— The Mag. field changed

13. M.P = 202 A, NOZZle = 100 A.

$$\begin{array}{r} \text{Peak} = 19,8375 \quad 116,603 \\ \hline 1.28 \end{array}$$

— Magnetic field changed

14. MP = 252 A, NOZZle = 102 A.

Peak = 32 channel

