

2023/05/03.

→ RMF plasma

·X: To check if the low energy signal scales with aperture.

·X: To be 100% sure that it is not RMF pickup.

~~MP~~

1) Started with seed plasma.

- MP = 152 A, NOZZle = 101 A,  $V_F = 1.528$

$V_R = 198 \text{ mV}$

RMF - ON

11:36 - Ap 1 →

Gating Delay 3 ms and width 3 ms.

CC Midpoint seeing 0 counts.

$V_F = 2.513$

$V_R = 0.223 \text{ mV}$

11:49 - Ap 2.

Gate Delay 3.6 ms & width 3 ms.

ISDA, NOZZle = 100 A,

,  $\frac{2693}{0.76} \#28,0$

The B.B. had fallen to 100 A.

CR = 3500 c/s.

11:54 :- MP = 202 A, NOZZle = 100 A.

$\frac{8132}{0.59}$

to check if this reproduces 4/28 results  $\sim 13783.05$

11:59 - Ap @ 1.  
05)

$\frac{227}{1.64}$

12:10 :- Ap 0 → ST =  $\frac{2}{0.45} 1.5\%$   
06

Ap3 - 12:13 pm.

07 - Crazy, PPV seen

$$\frac{30,790}{0.45}$$



08 - Ap2. #16

12:18.

The Crazy behaviour again

09 - Ap1.  $\frac{4819}{0.83} = 5806 \text{ cps.}$

The high mag fld  
there is less confinement  
so less neutrals

10 - Magna Power = 250A, NOZZLE = 100A.

#32 ~ 1 count

$$\frac{15,606}{0.83}, 18,802 \text{ cps.}$$

11 - MP = 300A,

~~18,800~~

17,775

$$= 29,139 \text{ cps.}$$

12:33pm.

0.61

#39 ~ 1 count

12 - MP = 350A,  $\frac{19,854}{0.67}$

13] At 12:47 pm MP = 400A.  $\frac{11,322}{0.34}$

There was bubbling near SEC  
at the probe.

14] Sam told to change Gating as there were intermittent breakdown.

Gating Delay = 4ms Width 3ms.

15] Not saved  
sure.  $\frac{20,057}{0.61} \sim 33,000 \text{ cps}$  . 4ms Delay 3ms Width.

15] 1:02 pm. We are getting higher counts.  
# 57

$$\frac{18,608}{0.66}$$

16] 1:06 pm  $\rightarrow$  MP - changed to 501A  
Due to breakdown intermittency  
the Delay 4.5 ms -  
Width 2 ms .

