

2023/05/05

- Helium RMF plasma.

Ap1 \rightarrow did not show any counts.

11:48pm \rightarrow moved to Ap2.

Magna power = 140A, NOZZLE = 100A.
pressure = 2.63 mtorr.

$V_E = 2.165$

$V_R = 0.233$

Gating - Delay = 0.8ms
Width = 3ms

Mylar ~~out~~ in

modulated

01 - CC Midpoint Ap2 - 140A - 2.6 mtorr.
pile up.

02 - Moved to Ap1. - $\frac{31,616}{0.46}$, still pile up.

By mistake the
data was reset.

Max # 87.

Took the X-ray spectrum ~~and~~ again.
Mylar out.

03 - Mylar back in as pile up was seen in Ap1.



\rightarrow Mylar has attenuated this region.

04 - ~~the~~ now ^{SDD-3 is at} ~~moved to~~ Ap2

Varied the A_p with the RMF

Did various things but pick up was seen.

~~at~~ RMF - shut off.

- With Mylar ON
- seed plasma.

14] $A_p 4 - 3 \text{ mtorr} - 140 \text{ A}$.

15] Mylar out - $A_p 4 - 300$

$$V_F = 2.106 \text{ V}$$

$$V_R = 312 \text{ mV}$$

→ check if $\frac{15 \text{ x-ray spectrum}}{14 \text{ "}}$ gives Mylar transmission