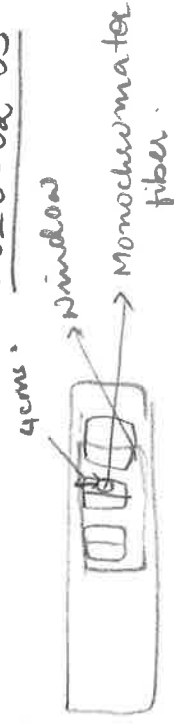


2020-02-05

Monochromator.

PMT Voltage = 900 V



$n_1 \rightarrow$ Line	Wavelength	Time
(133854) H β	485.8 nm	1:38
(134347) H β (Bg)	484.1 nm	1:43
(134741) H γ (Bg)	436 nm	1:47
(135100) H γ	433.7 nm	1:50
(135848) H γ (Again)	433.7 nm	1:59

5ms pulse

$L_2 = 200 \text{ \AA}$

$$[t_0 = 7.8 \times 10^{-4}]$$

$$t_{max} = 4.6 \times 10^{-3}$$

Repeating it again the same readings
No. of sweeps in oscilloscope changed to continuous.

$n_2 \rightarrow$	H α	Wavelength	Time
(142042)	H α (Bg)	436 nm	2:25
(142522)	H β (Bg)	484.0 nm	2:30
(143427)	H β	485.9 nm	2:35
(144635)	H β	485.9 nm	2:46

$$[t_0 = 5.2 \times 10^{-4}]$$

$$t_{max} = 4.6 \times 10^{-3}$$

\sim interferometer - time

There is a delay of 200 μ sec.
b/w pick up coil and H β voltage.
This is there always if we are at low power.

The Absorbed Power changed at the end of the pulse. So repeating the readings again.

$n_3 \rightarrow$	H β	Wavelength	Time
	H β (Bg)	485.9 nm	2:52
	H β (Bg)	484.0 nm	2:57
	H α (Bg)	436 nm	
	H α	433.6 nm	3:06

$m_4 \rightarrow$

Line	λ	Time
H_{γ}	433.7	15:11
$H_{\gamma}(B_{\gamma})$	436	15:15
$H_{\beta}(B_{\beta})$	483.8	15:19
H_{β}	485.8	

Now the lens is moved with 23 rotations from 0

m_5 H_{β} 485.8 15:41
 L_2 was lost. But plasma was still running.

$H_{\beta}(B_{\beta})$	483.8 nm	15:45
$H_{\gamma}(B_{\gamma})$	436.0 nm	15:49
H_{γ}	433.8 nm	15:54

Again repeated Taking Data again.

m_6

H_{γ}	433.8 nm	15:57
$H_{\gamma}(B_{\gamma})$	436.0 nm	16:00
$H_{\beta}(B_{\beta})$	483.8 nm	16:05
H_{β}	485.8 nm	16:08

changed the lens position with

m_7

H_{β}	485.8 nm	16:15
$H_{\beta}(B_{\beta})$	483.8 nm	16:18
$H_{\gamma}(B_{\gamma})$	486.0 nm	16:22
H_{γ}	433.7 nm	16:26

Pulse changed to 7m/s and then PFR-2 was shutt off.