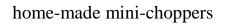
Optical Diagnostics on Mock-up/SS Primary



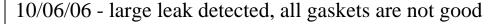
Viewport #1 Viewport #2 Viewport #3 Viewport #4

Laser light



Small leak on SS primary





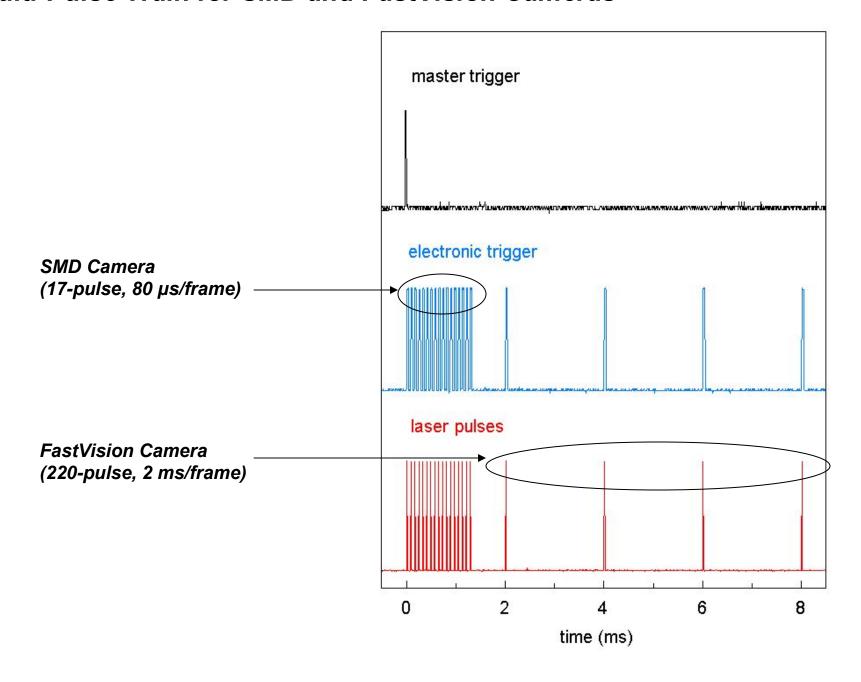
10/10/06 - new gaskets installed, small leak detected, in 17 hrs pressure drop from 21 to 8 psi, fixed viewport #4 gasket.

10/11/06 – small leak in 21 hrs pressure drops from 21 to 19 psi leak rate of ~1.4 mTorr/sec

10/12/06 - Leak check using Metheson 8850 flammable gas sniffer, 5 ppm sensitivity, 15 psi of Ar/Methane (90%/10%) several tap holes aren't deep enough on viewport #4, shorten a few screws and tighten the viewport.

10/13/06: No leak detected, 21 psi holds for over 17 hrs

Multi-Pulse Train for SMD and FastVision Cameras



Optical Diagnostics on SS primary



30 frame/sec, 1sec. movie cw NIR light, video camera

80 us/frame, 16 frames pulsed NIR light, SMD camera

2 ms/frame, 16 frames pulsed NIR light, FastVision camera





