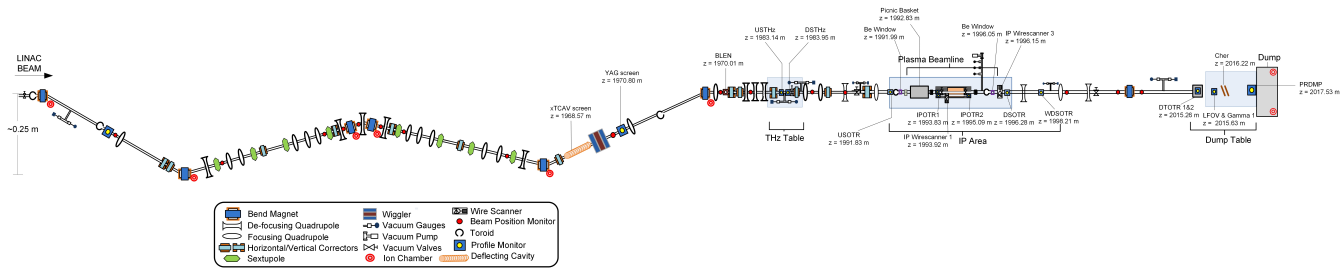


FACET User Area



Current Status

Name	MAD Name	EPICS PV	Camera Type	Lens	Position 1	Position 2	Position 3	Position 4	Position 5
PMON	PROF:LI20:45	PROF:LI20:45	Manta 125	Computar 55	Phosphor				
SYAG	PROF:LI20:2432	CAMR:LI20:100	Manta 125	Nikkor 105	YAG w/ITO	Phosphor			
USTHz	OTRS:LI20:3070	CAMR:LI20:101	Mako 125	Nikkor 105	YAG	Ti disc	Ti foil	Ti foil	
USOTR	OTRS:LI20:3158	CAMR:LI20:102	Mako 125	Nikkor 60	YAG	Ti disc	Ti foil	Ti foil	Ti foil
IPOTR1	OTRS:LI20:3180	CAMR:LI20:103	Manta 125	Tokina 100	Ti disc				
IPOTR1P		CAMR:LI20:104							
IPOTR2		CAMR:LI20:105			Ti foil	YAG			
DSOTR	OTRS:LI20:3206	CAMR:LI20:106	Manta 125	Nikkor 105	Ti flat	YAG			
WDSOTR	OTRS:LI20:3230	CAMR:LI20:107	Manta 95	Tokina 100	Ti flat				
DTOTR2		CAMR:LI20:300	Manta 125	Computar 55	YAG	Ti flat			
LFOV		?	Manta 125	Nikkor 50	DRZ				
PRDMP	PROF:LI20:3475	CAMR:LI20:108	Manta 95	Nikkor 35-70	Phosphor				

Camera Notes

USTHz

USTHz checked out but there is an issue with not having mechanical limit switches. Soft limits need to be used instead and checked before moving. For the short term, best to ask an expert to verify it is set up properly (C. Clarke, J. Allen, S. Gessner). Negative motion is okay when watching with the camera but real caution needs to be used with positive motion.

USOTR

USOTR currently way zoomed out. Acting as "light detector".

IPOTR1

LED light is set up on the IPOTR channel accessible on the profile monitor EDM panel but the blue LED doesn't illuminate the target very well and will be improved.

IPOTR2

Working, no notes of note.

DSOTR

Working, no notes of note.

WDSOTR

Working, no notes of note.

DTOTR2

User control only please... This is on MC01 Ch7 (X) and Ch8 (Y). DTOTR_x: Position 0 is out and 98 is in. DTOTR_y: 108 is YAG. CAMR:LI20:105.

LFOV

User control only please... This is on MC01 Ch6. Position >100 is out and 0 is in. ND 2.00 filter is on a flipper controlled by the Beckhoff Digital IO, channel 21, output 1 (Binary 5V Out) - APC:LI20:EX02:5VOUT_1. Value "ON" = filter in.

Camera is a CMOS only readable right now in B244...

PRDMP (not a user area item but included for completeness)

This is a fixed phosphor screen, no mover.

Oven Table Mover

Fully checked out. Routinely left with the bypass line in the beam path unless E-300 has beam time.

Wireshanners

IP Wireshanner 1

Checked out motion controls. PMT3350 and PMT3360 online but likely need to be timed into beam. See Fig 6 of this paper for a photo of the wireshanner card: <https://slac.stanford.edu/pubs/slacpubs/16250/slac-pub-16410.pdf>

and also this image: <https://drive.google.com/file/d/1p0GmxagvbnhOM8emSWSLWk186gSE2lc/view?usp=sharing>

IP Wireshanner 3

Checked out motion controls. For an unobstructed position, 20 mm appears to be an okay on motor, 28 mm on LVDT. But it actually looks to me from the drawings that it ought to be about 90 mm. PMT3350 and PMT3360 online and likely need to be timed into beam

Note, images of the card can be found here: https://drive.google.com/file/d/1scVopR61fpoo_dhtlH5aFozV2wHd0yiM/view?usp=sharing

Toroids

Tunnel work complete- toroids are connected to long haul cables. Understood to be brought online and calibrated.

Work in Progress

IPOTR1P

Motion control is all good. Cables are prepared for the camera. Just don't have cameras on these yet as they are not needed and we don't want to irradiate cameras without reason. IPOTR1P is on OTRS:LI20:3175.