

FACET Beam Diagnostics and Experimental Devices (Mar 2021)

Device	Linac Z location (m)	Table coordinate (inches)	EPICS Channel Access Name	Profile Monitor Camera
Notch Collimator	1936.18		COLL:LI20:2069	
Momentum Jaw	1936.60		COLL:LI20:2085/2086	
TCAV	1968.57		TCAV:LI20:2400	
sYAG	1970.88		YAGS:LI20:2432	CAMR:LI20:100
BLÉN	1979.01		BLÉN:LI20:3014	
USTHz	1983.14		OTRS:LI20:3070	CAMR:LI20:106
Extension Table (first hole)	1991.56	-48.00		
USOTR	1991.82	-37.25	OTRS:LI20:3158	CAMR:LI20:101
Toroid	1991.92	-33.50	TORO:LI20:3163	
Beryllium Window (50-micron thick, 0.5" dia aperture) upstream	1991.98	-31.00		
HeNe Alignment Laser Injection Mirror	1992.10	-26.00	OTRS:LI20:3158	
Main optical table reference	1992.78	0.00		
Picnic Basket center	1992.82	2.00		
Lithium Oven Line				
IPOTR1P	1993.74	38.00	OTRS:LI20:3175	
Oven Gate Valve A (upstream)	1993.87	43.00	VVPG:LI20:3183	
Oven Gate Valve B (downstream)	1995.04	89.00	VVPG:LI20:3187	
Bypass Line				
IPOTR1	1993.83	41.63	OTRS:LI20:3180	CAMR:LI20:102
IP Wire Scanner #1	1993.91	45.00	WIRE:LI20:3179	
Oven Mover	1994.95	85.50	OVEN:LI20:3185	
IP Wire Scanner #2 (not installed)			WIRE:LI20:3206	
IPOTR2	1995.09	91.00	OTRS:LI20:3202	
8" Cube (Gold coated mirror with a 4 mm hole)	1995.67	114.00		
IP Vacuum Manifold				
UpToAirValve	1995.67	114.00		
Remote Controlled Angle Valve	1995.67	114.00	VVPG:LI20:3201	
Cold Cathode Gauge	1995.67	114.00	VGCC:LI20:M3201	
CM Gauge 1 (1000 Torr Full Scale)	1995.67	114.00	VGCM:LI20:M3201	
CM Gauge 2 (100 Torr Full Scale)	1995.67	114.00	VGCM:LI20:M3202	
CM Gauge 3 (10 Torr Full Scale)	1995.67	114.00	VGCM:LI20:M3203	
Turbo Pump	1995.67	114.00	VPTM:LI20:M3202	
Full Range Pirani/IMG Gauge	1995.67	114.00	VPTM:LI20:M3202	
Toroid	1995.99	125.00	TORO:LI20:3255	
Beryllium Window (50-micron thick, 0.5" dia aperture) in a valve; downstream	1996.10	129.00	VVPG:LI20:3208	
IP WireScanner #3	1996.15	133.00	WIRE:LI20:3229	
DSOTR	1996.28	138.00	OTRS:LI20:3206	CAMR:LI20:103
Q0D	1996.98			
Cold Cathode Gauge	1998.02		VGCC:LI20:3180	
Pirani Gauge	1998.02		VGPR:LI20:3180	
WDSOTR	1998.35		OTRS:LI20:3230	CAMR:LI20:104
Q1D	1999.21			
Q2D	2001.43			
Valve 3250	2002.37		VVPG:LI20:3250	
Cold Cathode Gauge	2002.49		VGCC:LI20:3249	
Pirani Gauge	2002.49		VGPR:LI20:3249	
Dipole Bend Magnet B5D36	2005.94		BNDS:LI20:3330	
PDC chamber upstream end	2008.01			
PDC chamber downstream end	2009.37			
EDC chamber upstream end	2010.50			
EDC chamber downstream end	2011.00			
Dump table (first hole)	2015.18			
DTOTR Screen	2015.26			
Butterfly Chamber (middle)	2015.31			
Exit window (5mm thick Al)	2015.54			
Gamma 1 Screen	2015.63		PROF:LI20:3500	CMOS:LI20:3490
Energy Spectrum from Cherenkov air gap (CHER_Near)	2016.22		CMOS:LI20:3490	
Gamma 2 Screen (not installed)				
Gamma 3 Screen (not installed)				
PRDMP	2017.53			
Dump	2019.21			

Last updated: 03/31/2021 Live file: <https://docs.google.com/spreadsheets/d/1Qw85KBuFsj6Jt8tArqjcGTVlpZCtUz2hDwX8EuCRcb4/edit#gid=417037744>

Tape-measure locations are in blue and are accurate to within 2 cm. Measurements in black are provided by Metrology.

All measured distances are to the center of the device.