



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Gaskell, J. Miller

DATE: 01 Jun 2016

FROM: Kelly Tremblay

Checked: (jmw)

: A1720

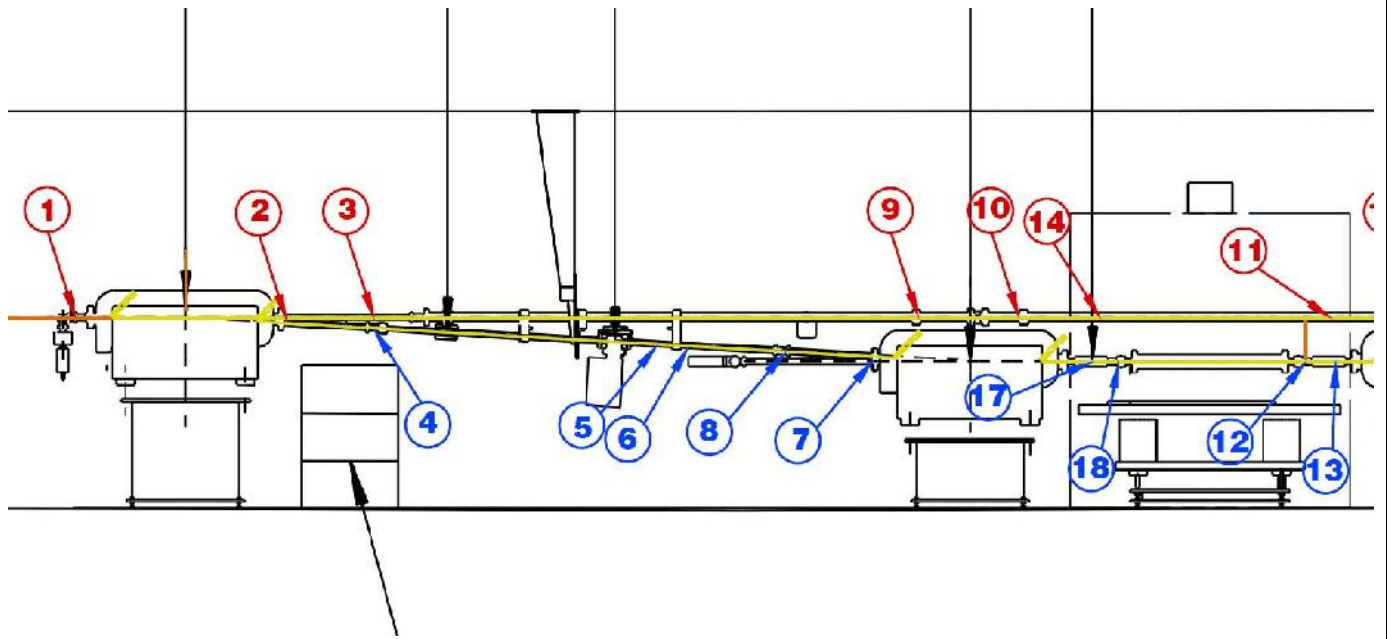
DETAILS:

data: step2b\bsy\1c_12\160518a

The 1C compton equipment was surveyed May 18th, 2016. The following are the as-found locations and the beam offsets. See the attached maps for the locations on the beamline. The beam following coordinates are the offsets calculated from Yves Roblin 1C Compton optic output. Beam following (BFS) are in millimeters with a positive X to the beam left and a positive Y is above the beam.

#	Item	Cebaf Coord System [meters]			Distance from target	Beam Following [mm]	
		X	Y	Z		x[mm]	y[mm]
1	VBV1C20	-58.15893	100.02545	-360.18843	41.396918	-0.43	3.45
2	MMC1P01 DS FLANGE	-57.27391	100.00918	-361.34225	39.942765	-0.16	-12.82
3	MMC1P01 DS Y 1C	-56.90827	100.01708	-361.81872	39.342169	-0.19	-4.92
4	MMC1P01 DS Y 1P	-56.90687	99.96716	-361.81728	39.342459	-2.18	-3.37
5	IPM1P01 US	-55.72107	99.89033	-363.36975	37.388933	2.14	-1.20
6	IPM1P01 DS	-55.59287	99.88205	-363.53627	37.178780	1.81	-0.99
7	MMC1P02USFLANGE	-54.81567	99.81734	-364.54681	35.903935	0.40	-10.01
8	MMC1P02USY1P	-55.18595	99.85735	-364.06681	36.510157	1.95	1.35
9	BEAMPIPE1CUSOF	-54.62703	100.02128	-364.79251	35.594172	0.30	-0.72
10	BEAMPIPE1CDSOF	-54.20544	100.02107	-365.34233	34.901322	0.54	-0.93
11	HUT1CDSBEAMPIPE	-52.89604	100.01966	-367.04696	32.751836	-0.55	-2.34
12	IPM1P03US	-53.00353	99.80990	-366.90761	32.927826	-0.11	3.40
13	IPM1P03DS	-52.87943	99.81216	-367.06854	32.724604	-0.60	5.66
14	LASERHUT1CUS	-53.86390	100.01950	-365.78622	34.341244	-0.19	-2.50
15	BEAMPIPE1CDSOF	-52.61807	100.02079	-367.41005	32.294560	-0.05	-1.21
16	BEAMPIPE1CDSOF	-52.19648	100.02086	-367.95922	31.602227	-0.21	-1.14
17	IPM1P02US	-53.89600	99.81015	-365.74304	34.395043	-1.01	3.65
18	IPM1P02DS	-53.78756	99.80973	-365.88714	34.214706	0.68	3.23
19	IPM1P03AUS	-51.28400	99.89035	-369.14827	30.103407	-0.28	13.11
20	IPM1P03ADS	-51.17644	99.89645	-369.28688	29.927962	-1.22	12.12
21	MMC1P03DSFLANGE	-51.97751	99.81823	-368.24305	31.243749	-1.14	11.73
22	MMC1P03DSY1P	-51.60830	99.87045	-368.72374	30.637631	-1.43	14.81
23	MMC1P03DSYPHOTON	-51.60581	99.80870	-368.72852	30.632323	-0.49	2.20
24	MMC1P04USFLANGE	-49.51413	100.01574	-371.45652	27.194721	0.76	-6.26
25	VBV1H00/MMC1P04DS	-48.64259	100.02109	-372.59271	25.762761	0.99	-0.91

Upstream – beam direction left to right – red numbers on straight ahead beam.



Downstream – beam direction left to right – red numbers on straight ahead beam.

