



Jefferson Lab Alignment Group

Data Transmittal

TO: Reza Kazimi

DATE: Aug 26 2004

FROM: Chris Curtis

Checked:

: L939

DETAILS:

The results of the survey of the 45 MeV spectrometer and main beamline components are given below. The coordinates are in meters with the center of the accelerator as Z=0.0 X=0.0, Y=100.0. Differences from ideal location are shown in millimeters. A negative value indicates that the component is to the beam right, and low. On the dipole magnet, ENT and EXT denote the entrance and exit respectively.

Encoder values for the harp were taken when the horizontal and vertical wires were centered on the flange. These are 5860 Ω horizontally; and 3084 Ω vertically.

	Z	X	Y	Transverse	Vertical
QDOL06	-216.03892	80.60006	99.99998	0.06	-0.02
QDOL07	-210.38152	80.60042	100.00021	0.42	0.21
QDOL08	-204.27403	80.60008	100.00016	0.08	0.16
QDOL09	-198.16663	80.60014	100.00015	0.14	0.15
BF001	-209.58253	80.58678	100.00018	-0.21	0.18
BF1ENT	-209.68177	80.59991	100.00015	-0.09	0.15
BF1EXT	-209.48481	80.56504	100.00022	-0.30	0.22
ITV4D00	-206.46864	79.46759	99.99953	0.01	-0.47
IPM4D00	-206.31239	79.41007	99.99913	-0.55	-0.87
IHA4D00	-206.07110	79.32279	99.99993	-0.08	-0.07
IOR4D00	-205.76236	79.20915	100.00099	-1.19	0.99