



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Butler

DATE: 04/30/2019

FROM: Kelly Tremblay

Checked:

: A1922

DETAILS:

data: aalign\hadron\2019\h042919 & electron\2019\e042919

Q1 magnets on the left and right spectrometers were surveyed on April 29th, 2019. The ideal coordinates shown are at a distance of 2070.633 mm downstream of the hall center along the beamline. The found rotation show the amount of rotation from the beamline and the pitch and roll.

The angular displacements are shown in degrees. Positive yaw is the counter clockwise rotation about the Y axis; negative pitch is the clockwise rotation about the X axis (physics standard); positive roll is the clockwise rotation about the Z axis.

	Ideal [m]		Found [m]			Angular Displacements [degrees]			
	x[m]	y[m]	x[m]	x[m]	y[m]	z[m]	dYaw	dPitch	dRoll
LEFTQ1	-31.6979	100.0220	-394.6739	-32.0841	100.0194	-394.9105	12.5412	0.0009	-0.0232
RIGHQ1	-31.6979	100.0220	-394.6739	-31.3837	100.0187	-394.3775	-12.4975	-0.0092	0.0401