



Jefferson Lab Alignment Group

Data Transmittal

TO: David Green

DATE: 24 Aug 2009

FROM: Kelly Tremblay

Checked: (cjc)

: L1242

DETAILS:

data: step2b\bsy\bsy3\090715A & step2b\swcr\swcr4\090715A

The grid below shows the locations of the repositioned beam harps, surveyed on July 15, 2009. The found coordinates (fnd) are shown relative to the Cebaf coordinate system. Additionally the found yaw and pitch values (decimal degrees) are shown. The delta X/Y values (millimeters) show the difference of the found coordinates to the ideal beamline location. A +dX is to the beam left, and a +dY is higher than ideal. dYaw shows the difference of the yaw angle from the ideal. A +yaw angle is counter clockwise looking from above, and +pitch angle is ccw looking from the beam right side.

Harp	fnd Z (m)	fnd X (m)	fnd Y (m)	fnd Yaw	fnd Pitch	dX(mm)	dY(mm)	dYaw(deg)
IHA2S10	-134.4455	-80.6011	101.9998	179.928	-0.152	1.1	-0.2	-0.072
IHA1C05	-296.1257	-79.4307	100.0198	176.458	-0.597	-0.6	-2.2	-0.342
IHA2C04	-294.8259	-80.5986	100.0005	-179.796	-0.223	-1.4	0.5	0.204
IHA3C05	-296.1299	-81.7686	99.9775	-176.972	0.017	-0.4	-0.5	-0.172