



Jefferson Lab Alignment Group

Data Transmittal

TO: J.P. Chen, J. Gomez, J. LeRose **DATE:** 21 Nov 2007

FROM: Chris Curtis **Checked:** **# :** A1145

DETAILS:

Data: AALIGN\Hadron\2007\H112007A

Below are the results from the right spectrometer survey carried out on 20th November, 2007.
 The coordinates of the three points located on the link are given in millimeters relative to the Hall A target and beamline, with +Z along the beam, +X to the beam left, and +Y up. The horizontal offset from each point to a line between the ideal target and the spectrometer Jack point is also shown.

===== RESULTS ===== H112007A

The central ray of the spectrometer is at 89.989 degrees.
 It is missing the defined target center by 1.37 mm upstream,
 and 2.88 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 89.998 degrees.

*.9PR : 0.145 *.3DD : 2.37

	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	0.33	-8456.55	1.05	0.00
HSPECTX	-1963.39	-1440.78	-2546.50	-1963.44
HSPECTY	-1614.94	-6306.33	-2505.40	-1615.19
HSPECTZ	1049.08	-5616.08	-2467.60	1048.87