



Jefferson Lab Alignment Group

Data Transmittal

TO: J.P. Chen, J. LeRose	DATE: 23 Oct 2008
---------------------------------	--------------------------

FROM: Chris Curtis	Checked:	# : A1189
---------------------------	-----------------	------------------

DETAILS:

Below are the results from the survey of the left spectrometer, the new spectrometer slits, superharps, calorimeter and the BCM carried out on 14th October, 2008. The values represent the difference in millimeters from the ideal position of each fiducial, except for the calorimeter which represents the centerline. A positive X value is to the beam left, a positive Y is too high.

===== RESULTS ===== E101408A

The central ray of the spectrometer is at -15.993 degrees.
 It is missing the defined target center by 1.63 mm upstream,
 and 0.98 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -16.004 degrees.

*.9PR : 0.128 *.3DD : 2.01

Spectrometer Slit: (DX/DY from spectrometer centerline; DZ from target)

DX	DY	DZ
-0.34	4.49	1157

Superharps

	DX	DY
SH1H01A	0.11	0.00
SH1H01B	0.19	-0.01
SH1H01C	0.22	0.03
SH1H02A	-0.78	-0.20
SH1H02B	-0.72	-0.18
SH1H02C	-0.73	-0.14

Cavity BPMs

BCM1H1B	0.07	-0.44
BCM1H1C	0.02	-0.35
BCM1H2A	-0.82	-0.29
BCM1H2D	-0.29	-0.32

Calorimeter

IFY1H04	-0.35	-0.33
---------	-------	-------