



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Rolf Ent, John LeRose

**DATE:** 19 Oct 2006

**FROM:** Chris Curtis

**Checked:**

**# :** A1080

### DETAILS:

Below are the results from the electron (left) spectrometer, and the hadron (right) spectrometer surveys carried out on 16<sup>th</sup> October, 2006.

===== RESULTS ===== E101606A

The central ray of the spectrometer is at -49.115 degrees.  
It is missing the defined target center by 0.93 mm upstream,  
and -0.77 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 310.879 degrees.

\*.9PR : 0.131          \*.3DD : 2.43

===== RESULTS ===== E101606B

The central ray of the spectrometer is at -45.289 degrees.  
It is missing the defined target center by 1.18 mm upstream,  
and -0.63 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 314.703 degrees.

\*.9PR : 0.134          \*.3DD : 2.28

===== RESULTS ===== H101606A

The central ray of the spectrometer is at 29.730 degrees.  
It is missing the defined target center by 2.53 mm downstream,  
and -0.41 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 29.713 degrees.

\*.9PR : 0.140          \*.3DD : 2.15

===== RESULTS ===== H101606B

The central ray of the spectrometer is at 29.221 degrees.  
It is missing the defined target center by 2.99 mm downstream,  
and -0.54 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 29.201 degrees.

\*.9PR : 0.141          \*.3DD Stand Error : 1.65