

## Jefferson Lab Alignment Group

## **Data Transmittal**

TO: P. King, T. Horn, C. Munoz Camacho, S. Malace DATE: 12/22/2016

FROM: Kelly Tremblay Checked: #: A1760

**DETAILS:** 

data: aalign\hadron\2016\H211216a

Below are the results from the survey of the right spectrometer on December 21<sup>st</sup>, 2016. The horizontal pointing value shows how much the central axis of the spectrometer misses the ideal target. This value is perpendicular to the spectrometer axis, not along the beam line. For the vertical pointing, a positive value indicates that the spectrometer is pointing above the target.

A graphical sketch is shown at the end of this transmittal

======= RESULTS ========= RIGHT POINTING 122116

The central ray of the spectrometer is at 53.496 degrees

The central ray is missing the defined target center by -3.74 [mm] Upstream and -1.29 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at 53.471 degrees

To achieve this optimal setting make the following adjustments: spectrometer will be at 53.471 degrees Horizontal corrections:

Move rear jacks along tangent -3.81 mm Upstream

9 Par Aposter Val: 0.23 (mm)

No 3DD output file available to report std. dev

