

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked: # A602

DETAILS:

Below are the results from the hadron spectrometer pointing survey carried out on the 17th of May, 2000.

===== RESULTS ===== H051700a

The central ray of the spectrometer is at 47.100 degrees.
It is missing the defined target center by 1.09 mm upstream,
and .69 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 47.107 degrees.

To achieve this optimal setting,
make the following adjustments:

Horizontal corrections:

Move rear jacks along tangent 1.11 mm upstream.

Vertical corrections (positive = up):

Central jack: .16 mm.

Upstream rear jack: .26 mm.

Downstream rear jack: 1.79 mm.

*.3dd = 1.19

*.9pr = 0.12