



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Rath, T. Whitlatch

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FROM: J. Dahlberg

Checked: SEH

: D1469

DETAILS:

Data: Inspection\HallD\111214A

Below are the results from the Dec 14th 2011 survey carried out on the Hall D BCAL rails. The inside top edges of the left and right I-beams were measured at 23 locations along the lengths. The values (in millimeters) are relative to the ideal beam center at the upstream end of the solenoid magnet. A – Z is upstream from the solenoid, a + X is to the beam left, and a – Y is below.

| | BEAM LEFT | | | BEAM RIGHT | | |
|----|-----------|-----|-------|------------|------|-------|
| | Z | X | Y | Z | X | Y |
| 1 | -389 | 957 | -1967 | -391 | -953 | -1966 |
| 2 | -672 | 956 | -1968 | -677 | -953 | -1966 |
| 3 | -977 | 956 | -1968 | -985 | -953 | -1966 |
| 4 | -1284 | 956 | -1969 | -1288 | -952 | -1966 |
| 5 | -1604 | 957 | -1969 | -1604 | -952 | -1966 |
| 6 | -1888 | 957 | -1970 | -1891 | -952 | -1965 |
| 7 | -2196 | 956 | -1970 | -2199 | -952 | -1965 |
| 8 | -2502 | 957 | -1971 | -2502 | -951 | -1965 |
| 9 | -2807 | 957 | -1971 | -2808 | -951 | -1965 |
| 10 | -3115 | 957 | -1971 | -3113 | -951 | -1965 |
| 11 | -3416 | 957 | -1972 | -3412 | -951 | -1966 |
| 12 | -3726 | 957 | -1972 | -3723 | -950 | -1966 |
| 13 | -4023 | 958 | -1972 | -4026 | -950 | -1966 |
| 14 | -4331 | 958 | -1972 | -4333 | -949 | -1966 |
| 15 | -4629 | 959 | -1972 | -4638 | -949 | -1966 |
| 16 | -4939 | 959 | -1972 | -4944 | -949 | -1966 |
| 17 | -5240 | 960 | -1972 | -5244 | -949 | -1967 |
| 18 | -5549 | 960 | -1972 | -5553 | -950 | -1967 |
| 19 | -5851 | 960 | -1972 | -5856 | -949 | -1967 |
| 20 | -6159 | 961 | -1971 | -6164 | -949 | -1967 |
| 21 | -6469 | 961 | -1971 | -6469 | -949 | -1967 |
| 22 | -6770 | 962 | -1971 | -6774 | -947 | -1967 |
| 23 | -6925 | 963 | -1971 | -6927 | -947 | -1968 |