

## Jefferson Lab Alignment Group

## **Data Transmittal**

TO: J. Grames, A. Holfer, D. Turner, Y. Wang

DATE: 15 Aug 2023

FROM: Elena Balan Checked: SEH #: L2081

**DETAILS:** 

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Components downstream of the R28\_2 gun were surveyed on 7<sup>th</sup> August, 2023. The results are in a beam-following coordinate system relative to the R28\_2 gun; +X is left of the beam, +Y is above the beam, and +Z is downstream.

	CEBAF Coord.			Beam Following relative to R28_2		
Component	X[m]	Y[m]	Z[m]	Δx[mm]	Δy[mm]	Δz[mm]
IPM2I00	81.08506	99.99930	-262.72749	1.72	-1.12	291.89
IPM2I00A	81.08468	100.00036	-262.35586	1.33	-0.07	677.77
MFX2I01	80.85378	100.00065	-262.19042	-0.17	0.20	850.28
IPM2I01A	80.74183	100.09421	-261.77175	3.03	-0.13	1283.47

- approximate position of the R28\_2 gun:

	В	eam Followin	g	Angles [deg.]			
Component	Δx[mm]	Δy[mm]	Δz[mm]	Yaw	Pitch	Roll	
R28_2	0.46	-0.46	-8.87		0.1308		

- Positive pitch is a clockwise rotation looking from left, also approximately determined.