



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** P. Brindza, S. Lassiter, M. Fowler, M. Jones

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**FROM:** Chris Gould

**Checked:**

**# :** C1776

### DETAILS:

Here are the as-set locations of the SHMS magnets prior to the KPP run. It is a beam following coordinate system. Y and Z = 0 at the pivot, X = 0 at the detector window. A positive Z is downstream, a positive X is to the beam left and a positive Y is up. Values are in mm and degrees.

	SET			IDEAL			DELTA			PITCH	YAW	ROLL
	X	Y	Z	X	Y	Z	X	Y	Z			
HBCEN	3.90	0.09	1759.39	3.92	0.00	1757.69	-0.02	0.09	1.70	-0.0132	-1.4999	0.0078
Q1CEN	0.00	0.23	4139.28	0.00	0.00	4137.59	0.00	0.23	1.69	-0.0093	0.0069	0.0088
Q2COIL	-0.12	-0.23	6797.43	0.00	0.00	6797.59	-0.12	-0.23	-0.16	-0.0014	-0.0038	-0.0036
Q2YOKE	-0.15	-3.27	6797.71	0.00	0.00	6797.59	-0.15	-3.27	0.12	0.0004	0.0045	-0.0427
Q3COIL	-0.16	0.00	9447.69	0.00	0.00	9447.59	-0.16	0.00	0.10	0.0015	-0.0011	-0.0072
Q3YOKE	0.10	-0.13	9446.80	0.00	0.00	9447.59	0.10	-0.13	-0.79	0.0027	0.0337	0.0445
DipCoil	0.06	260.27	12934.40	0.00	260.00	12934.73	0.06	0.27	-0.34	-9.1999	0.0031	-0.0035
DipYoke	1.01	261.19	12935.03	0.00	260.00	12934.73	1.01	1.19	0.30	-9.1998	0.0431	-0.0337