



Jefferson Lab Alignment Group

Data Transmittal

TO: M. Tiefenback

DATE: 30 Oct 2014

FROM: Chris Gould

Checked:

: B1578

DETAILS:

M:\align\Calcs\BSY\2c_12

Below are the Z locations of the elements currently surveyed downstream of the shield wall in the 2C line. Also included is the pre aligned position of the Pair Spectrometer in the downstream alcove. Magnets are set in Z to 0.5mm, location of all other elements is known only to the average of the respective upstream and downstream flanges. The Z coordinate of the Tagger is referenced to the straight ahead beam. It should be noted that the Tagger magnet center is 0.401m below the 2C line. The coordinates are in meters and in the CEBAF Mechanical system.

ELEMENT	Z(M)
MQR2C21	-358.32373
MQA2C21A	-359.75108
IHA2C21A	-360.56
IPM2C21A	-361.19
MOELLER TGT	-362.08
MQE2M01	-364.17759
MQE2M02	-366.12930
MQK2C22	-372.88290
MQR2C23	-373.62577
MQK2C24	-374.49348
IMP2C24	-375.50
H RASTER	-376.35
V RASTER	-376.86
IHA2C24	-377.36
ITV2C24	-378.10
TAGGER	-381.79453
PAIR SPECTROMETER	-417.756