

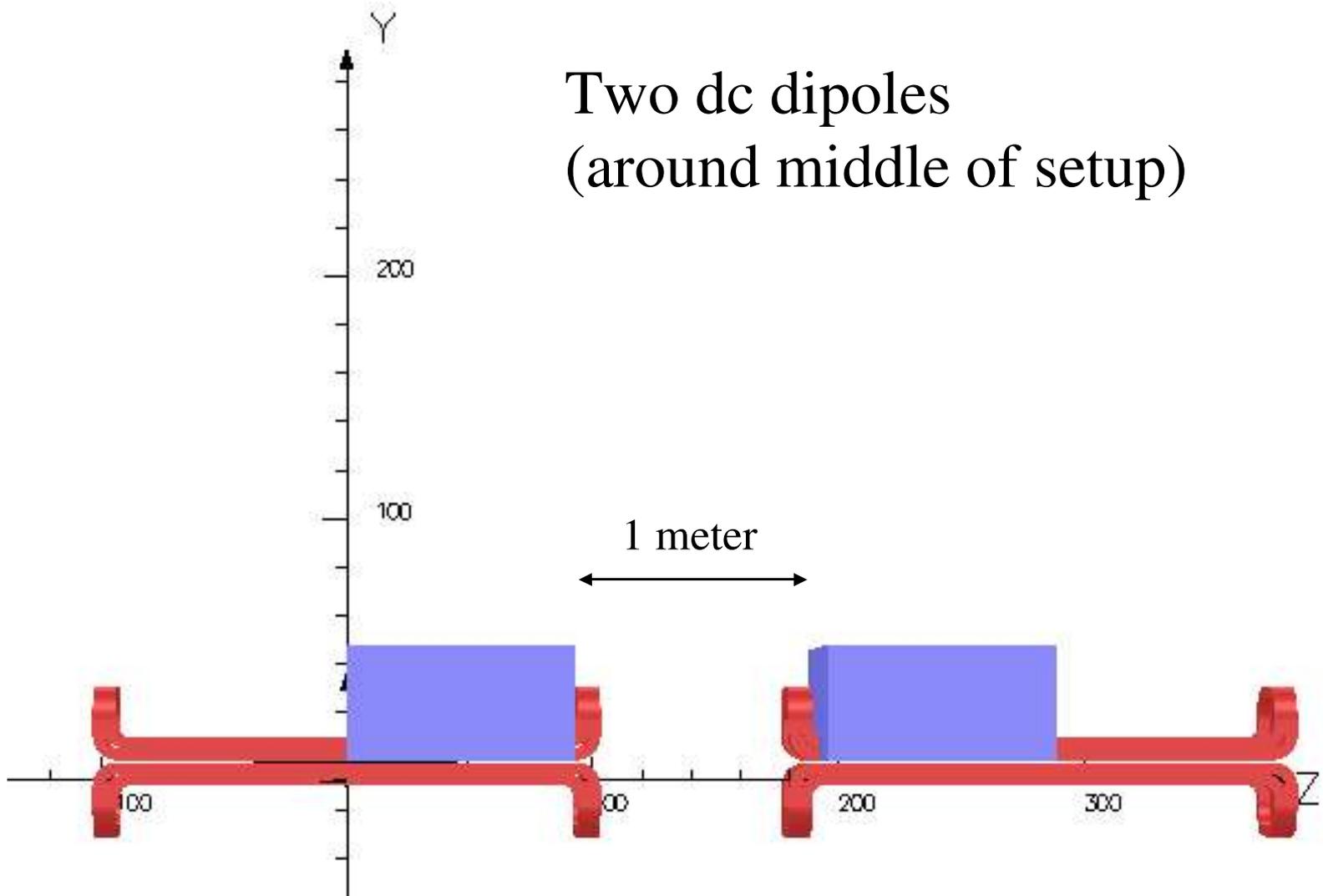
DC Dipole Study (cont.) :

Interferences with others ?

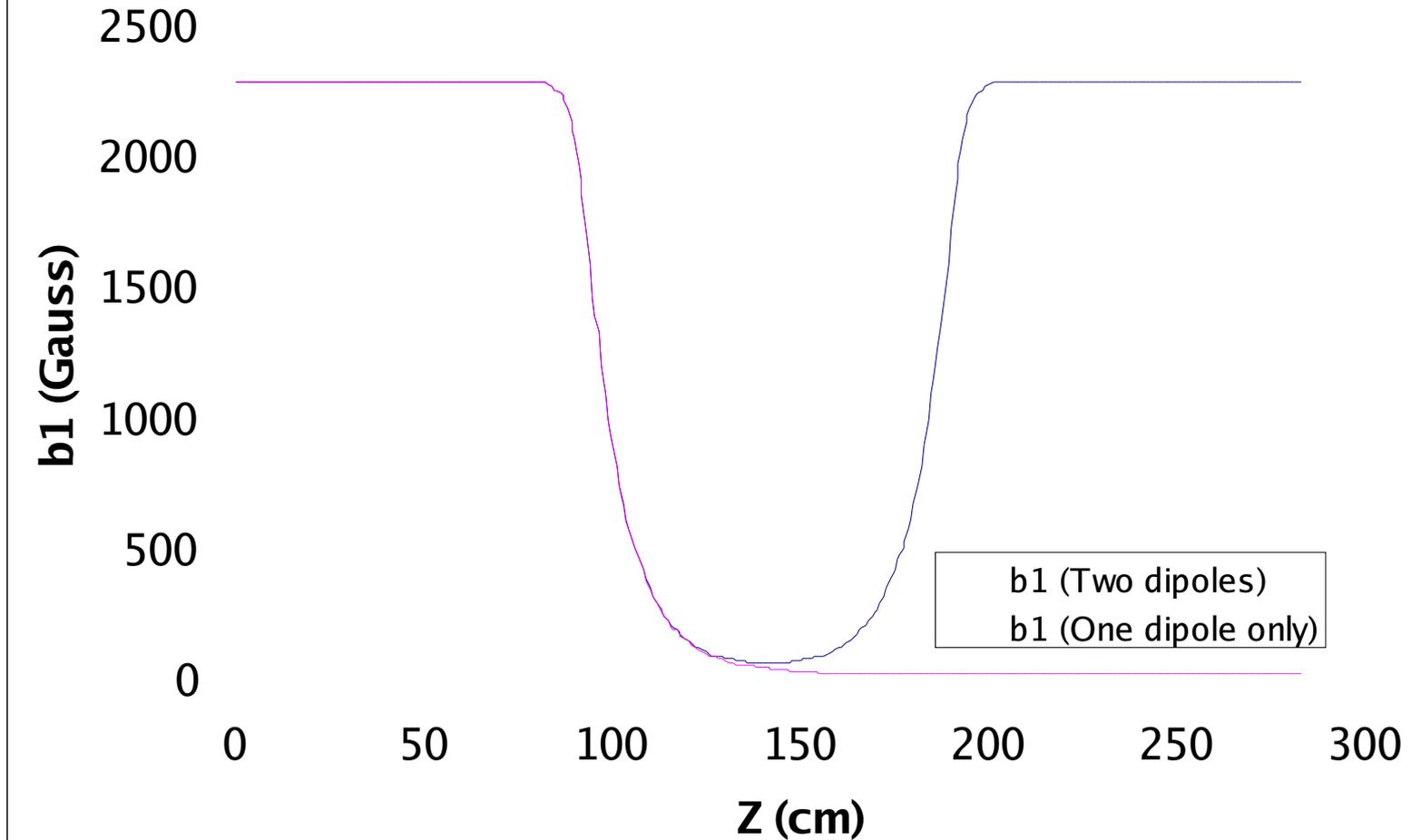
W. Meng

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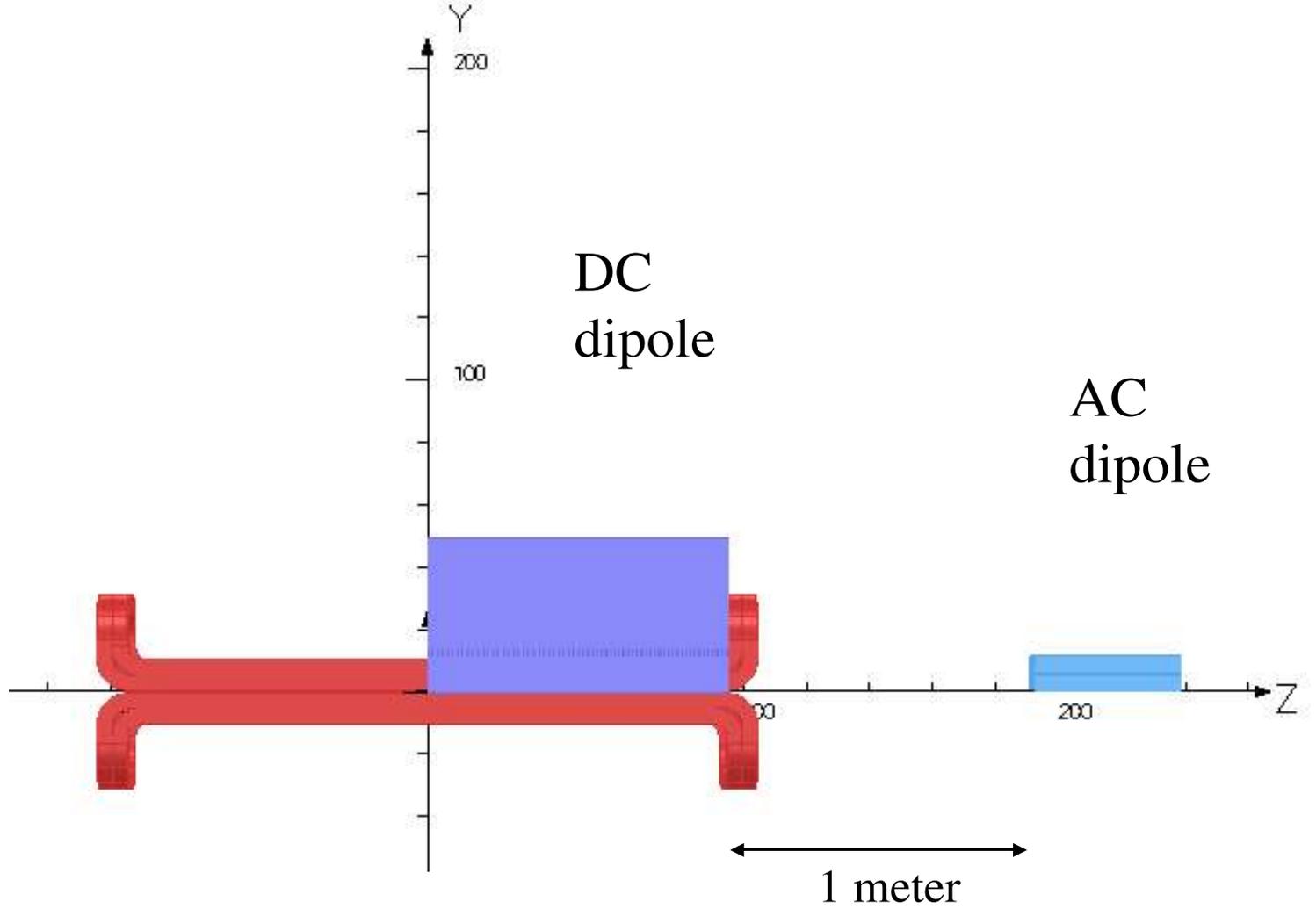
Two dc dipoles
(around middle of setup)



Interferences



Integral dipole-component difference: 256.3 Gauss-cm



Integral dipole-component difference: 80.9 Gauss-cm

Summary –

- (1) In the middle of the experiment, dipole integral from two (same polarity) adjacent dc dipoles will drop 256 G-cm, if they are 1 meter apart.
- (2) The dc dipole integral drop due to the adjacent ac dipole ferrite core is very small; as long as we keep the symmetry (with respect to each ac dipole), then they will not create additional integral errors.