## Momentum Setup and Measurement for PEPPo

(Follow-Up)

Joe Grames July 19, 2013

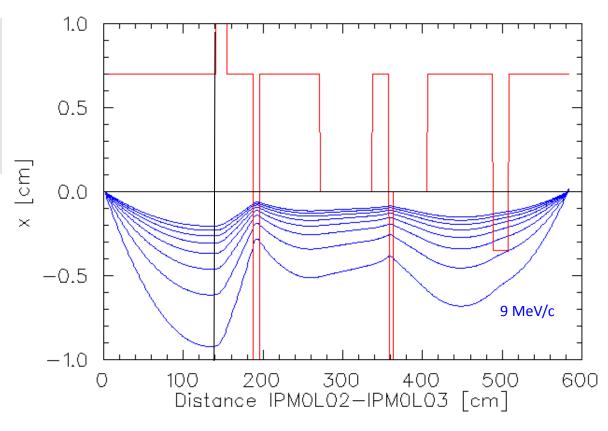
### Stray magnetic fields – straight section

# Paraphrasing Larry, "Does the Earth's field correction I impose agree with experimental conditions?"

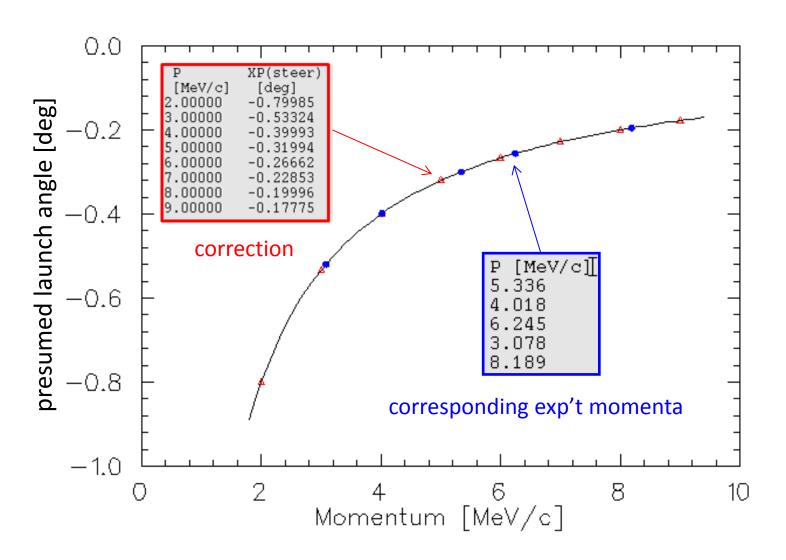
#### **Application of Steering**

P XP(steer) [MeV/c] [deg] 2.00000 -0.79985 3.00000 -0.53324 4.00000 -0.39993 5.00000 -0.31994 6.00000 -0.26662 7.00000 -0.19996 9.00000 -0.17775	X(final) [cm] 0.01400 0.00927 0.00696 0.00561 0.00464 0.00399 0.00353 0.00306	XP(final) [deg] 0.63306 0.42203 0.31653 0.25322 0.21102 0.18087 0.15827 0.14067
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#### Position and Angle at Dipole



Use correction angle "table" to determine presumed launch angle



# Calculated associated "steering angle" for specific runs p [MeV/c] = 2.9980E-4 $\cdot$ $\Delta$ (BL[G-cm]) / $\sin(\Delta\Theta)$

