## Momentum Setup and Measurement for PEPPo

## (Follow-Up)

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## 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) |  |  |
| :--- | :---: | :--- | :--- |
| $[\mathrm{MeV} / \mathrm{c}]$ | $[\mathrm{deg}]$ | $\mathrm{X}($ final $)$ |  |
| $[\mathrm{cm}]$ | XP(final) | I[deg] |  |
| 2.00000 | -0.79985 | 0.01400 | 0.63306 |
| 3.00000 | -0.53324 | 0.00927 | 0.42203 |
| 4.00000 | -0.39993 | 0.00696 | 0.31653 |
| 5.00000 | -0.31994 | 0.00561 | 0.25322 |
| 6.00000 | -0.26662 | 0.00464 | 0.21102 |
| 7.00000 | -0.22853 | 0.00399 | 0.18087 |
| 8.00000 | -0.19996 | 0.00353 | 0.15827 |
| 9.00000 | -0.17775 | 0.00306 | 0.14067 |



Use correction angle "table" to determine presumed launch angle


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

| !st | ad | , | [ -cm ] |
| :---: | :---: | :---: | :---: |
| ! P | MBHOL01H | MHB0L01AH | MBHOL02H |
| 5.336 | -48.2 | -151.8 | -84.7 |
| 4.018 | -64.7 | -131.8 | -84.7 |
| 6.245 | -46.0 | -130.4 | -104.2 |
| 3.078 | -51.9 | -134.1 | -84.8 |
| 8.189 | -56.0 | -147.0 | -85.0 |



