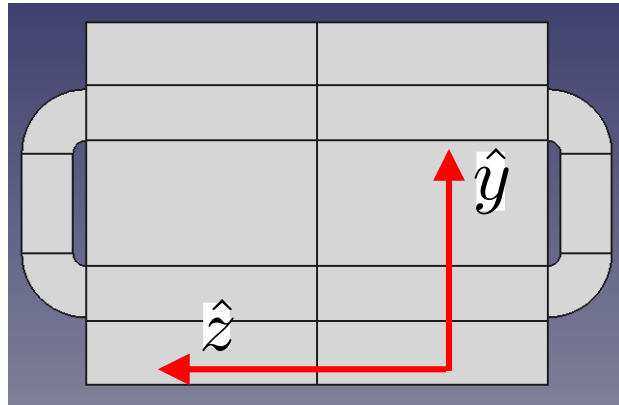


# Items for the PS presentation at the ePIC collaboration meeting (Sat July 29th)

- New 1 Tm sweeper & analyzer magnet designs from Peng Xu.
- 4x more compact PS design in the far-far-bwd region ( $Z = -65$  m)
- Vacuum chamber + conversion foil design.
- Tracker figures (occupancies, E resolution) and technology-choice discussion
- CAL technology choice: fECAL design and 2D extension
- Table of ZEUS systematics and how we can reach  $\sim 1\%$  systematic uncertainty on the absolute Lumi. For the relative lumi uncertainty, assuming all systematics cancel, we need to determine the expected bunch-by-bunch statistical uncertainty.

Magnet Side View



Magnet Longitudinal View

