Magnet Studies
Reference Design

- Mike Barnes has confirmed the design of Don Lobb (3.2 m)
  - $\triangle B/B \sim 0.12\%$
  - $\triangle P$
- iron saturation
- external fringe fields

Magnet Studies

Shorter version (2.8 m)

- △ B/B still OK (~0.15%)
- △ P improved
- iron saturation more severe (and complicated)
- may require secondary field clamps to control fringe fields
- smaller axial hole (40→30 cm) has small effect (△ B/B ~0.16%)

General Assembly Concept

- Cradle - Sled - Track
- Travelling platform for postamps, TDCs, Gas system, …
- Unresolved questions:
  - allocation of platform space (approximately 6 equipment racks)
  - links to stationary racks and counting room
  - upstream beam instrumentation and degrader system