The Hybrid 20 T Solenoid

Strategy

20 T + r=7.5cm $\Longrightarrow$ $P_t \leq$ 225 MeV/c

Solenoid Attributes

- Shielding
  - 15 cm ID – 24 cm OD
- Inner Coil
  - Resistive coil
  - 4 MW
  - 6 T
  - 24 cm ID – 60 cm OD
- Outer Coils
  - Superconducting
  - 14 T
  - 60 cm ID

Matching section

20 T $\rightarrow$ 1.25 T — warm bore 7.5cm $\rightarrow$ 30cm