The Solenoid Channel

Solenoid outside of rf cavities

- Large Warm Bore 200 cm ID
- Restricted rf cavity radius 100 cm
- Modest B_z 1.25 T
- Large Beam Aperture 60 cm
- Uniform B_z

Solenoids inserted into rf cavities

- Reduced Warm Bore 30 cm ID
- High B_z 5 T
- Reduced Beam Aperture 30 cm
- Unrestricted rf cavity radius
- Non-uniform B_z (Stop bands)