

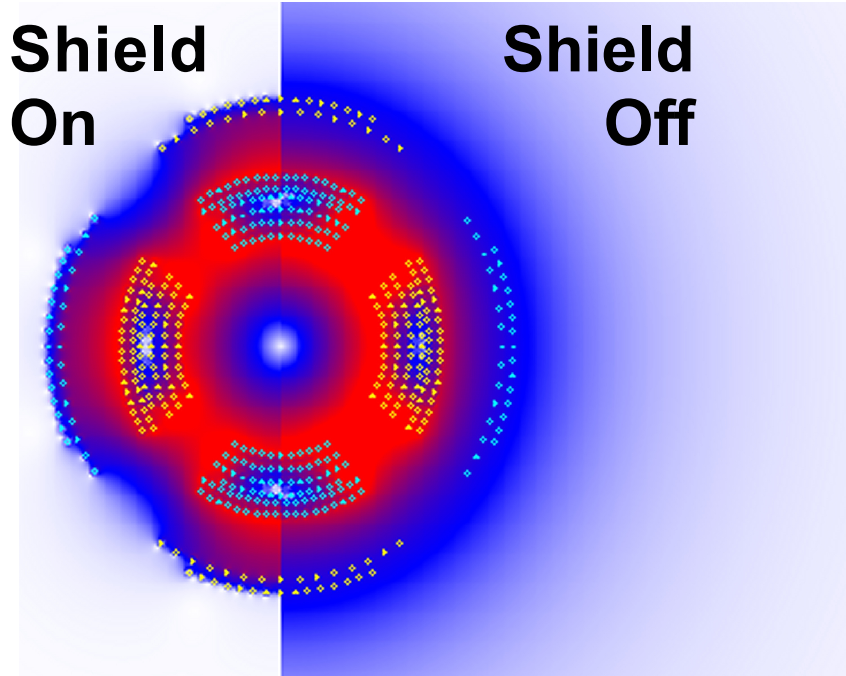


IR Magnets & MDI (Part 1/2)

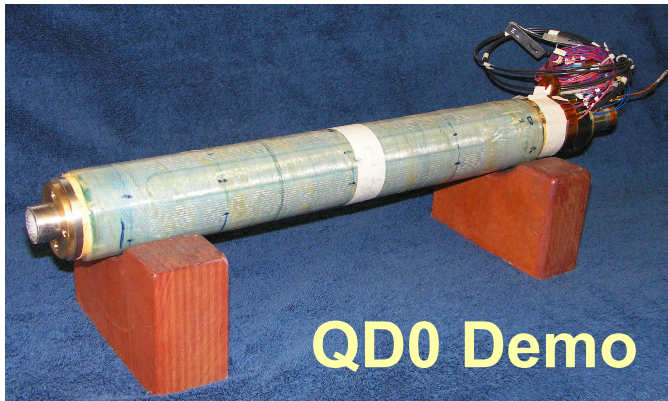
Brett Parker, BNL



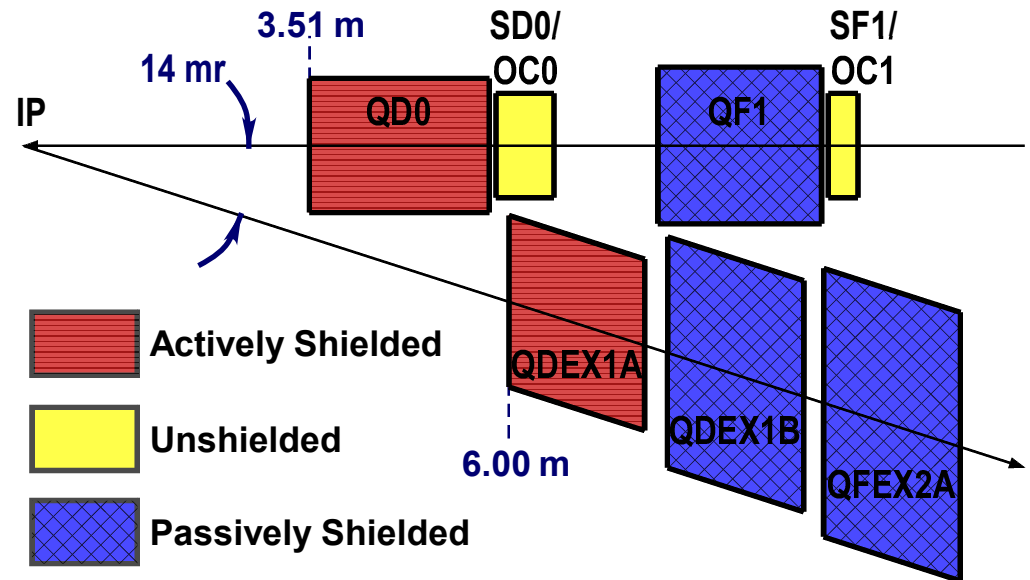
14/20 mr IR Magnets & MDI



Active Shielding Demonstration



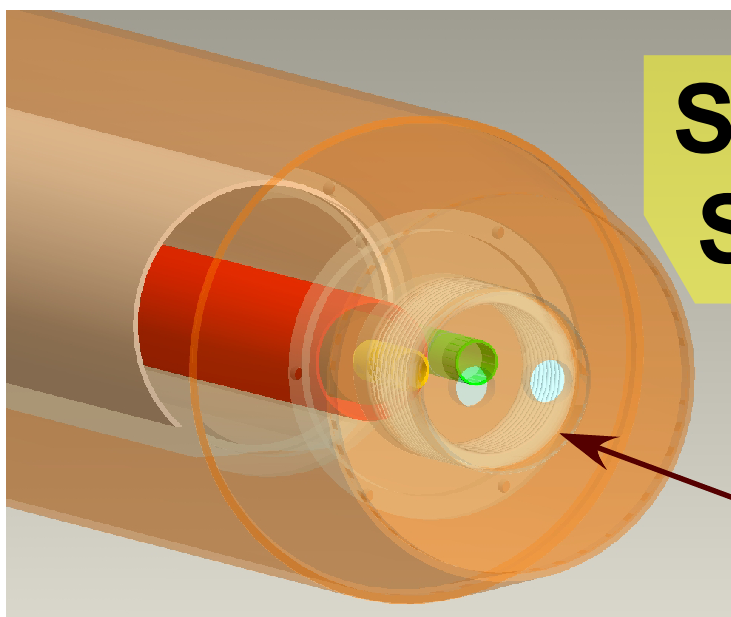
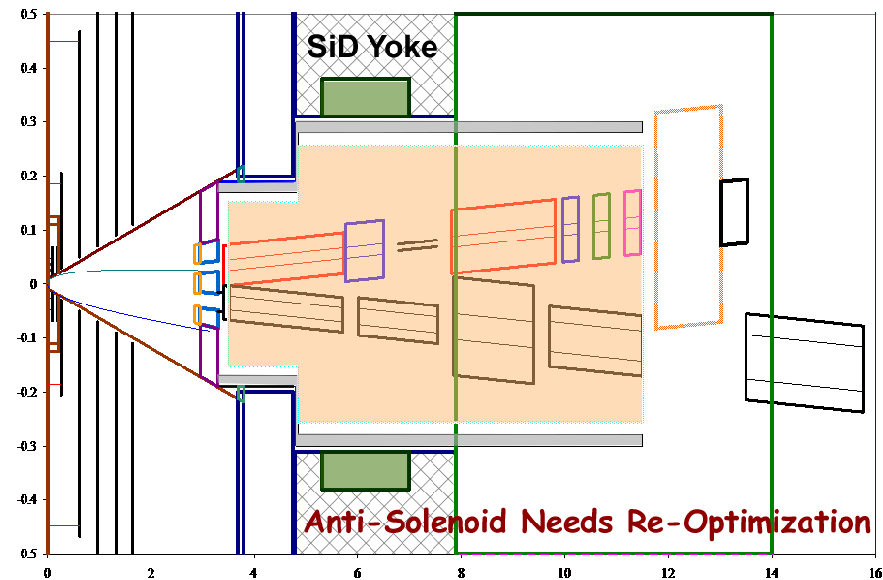
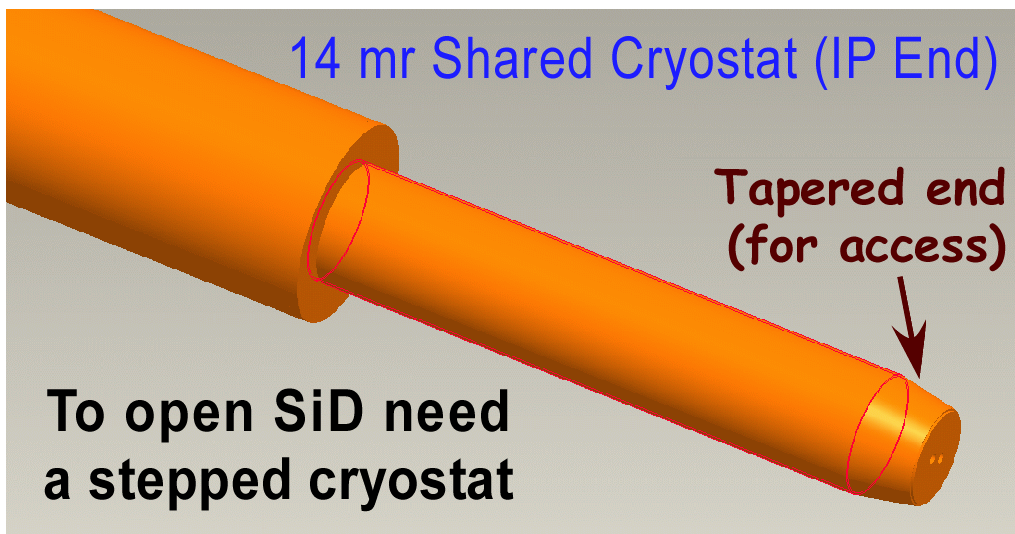
14 mr Crossing Angle Magnet Layout



Use shielded superconducting magnets so beam lines can be brought as close as possible (also used for $\gamma\gamma$).

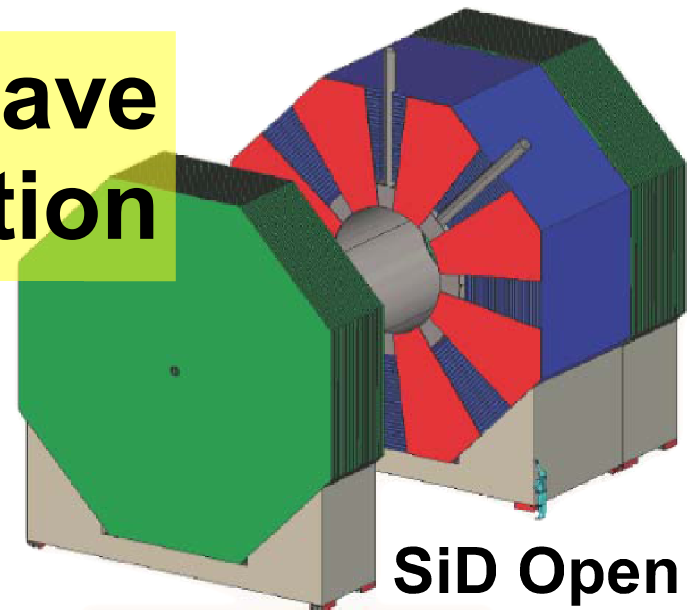


14/20 mr IR Magnets & SiD



So far only have SiD information

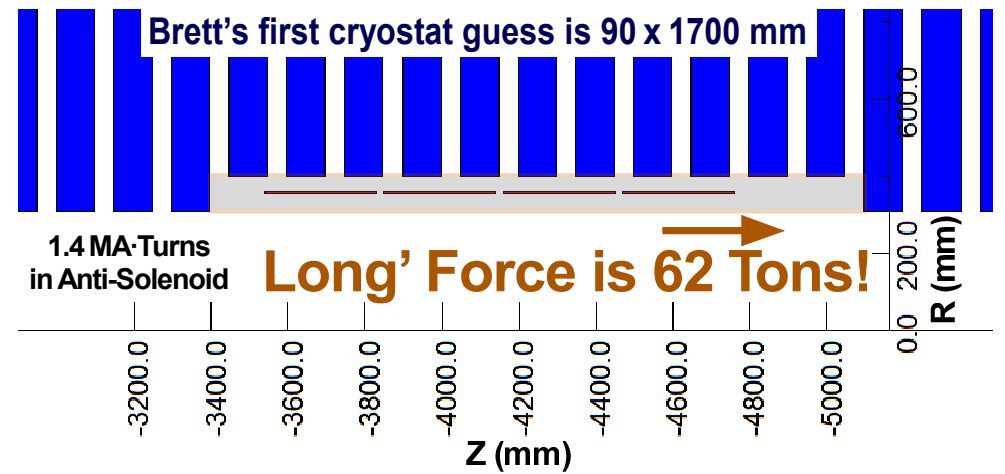
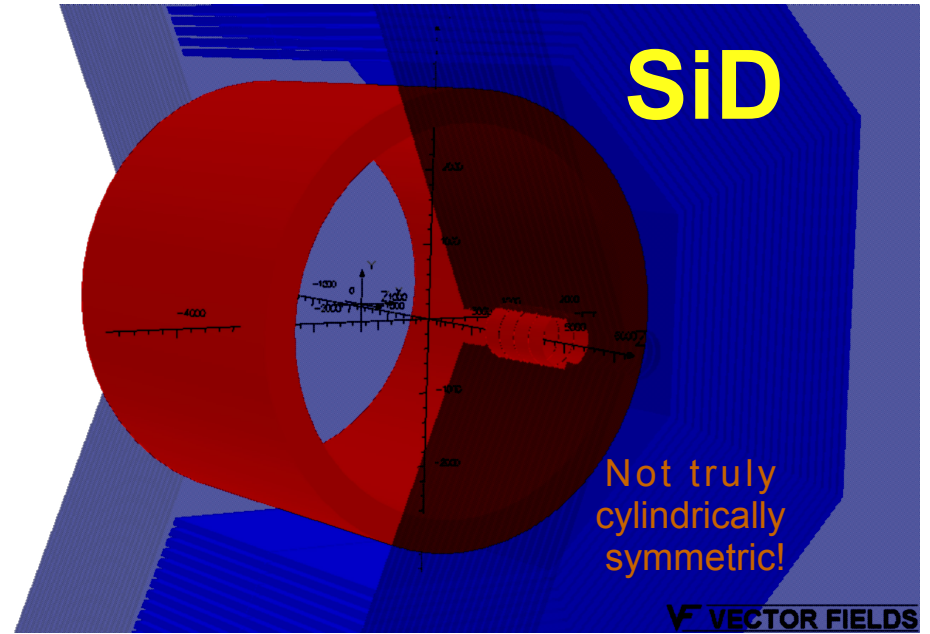
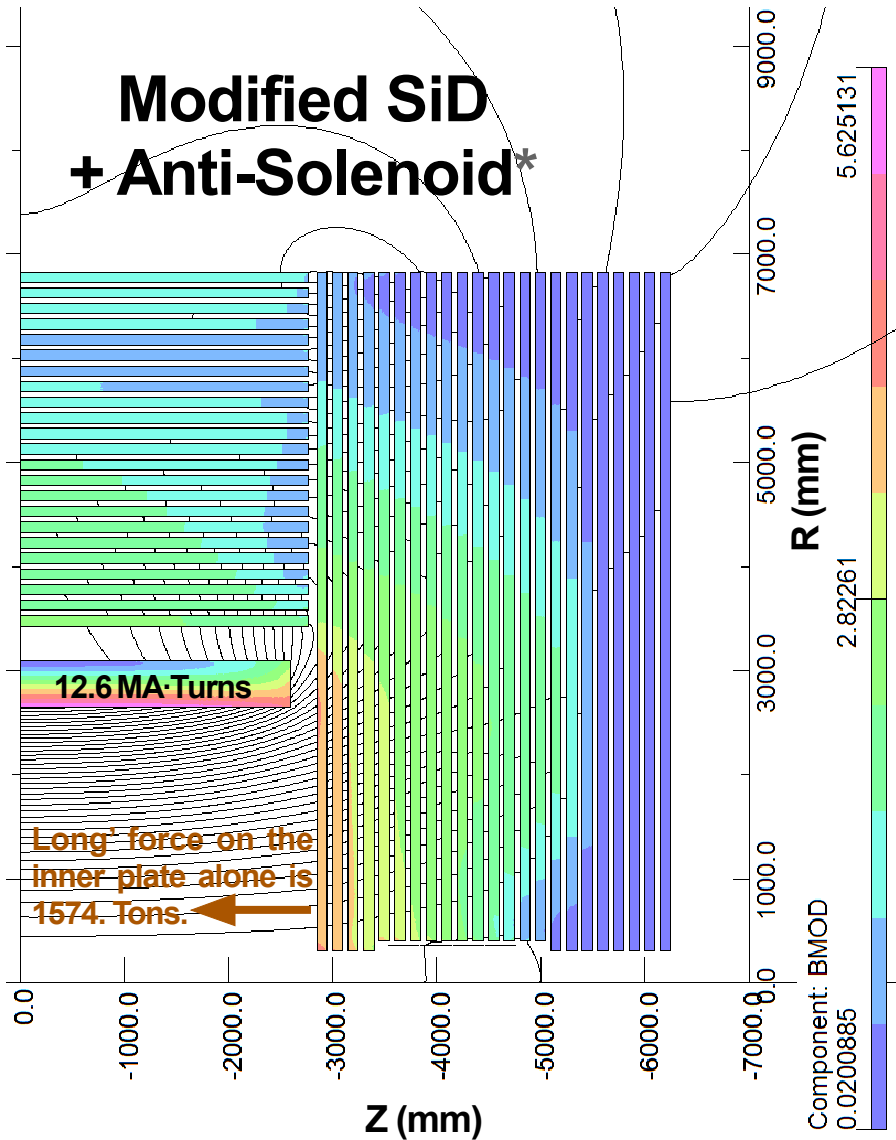
Bellows for warm-to-cold transition



SiD Open



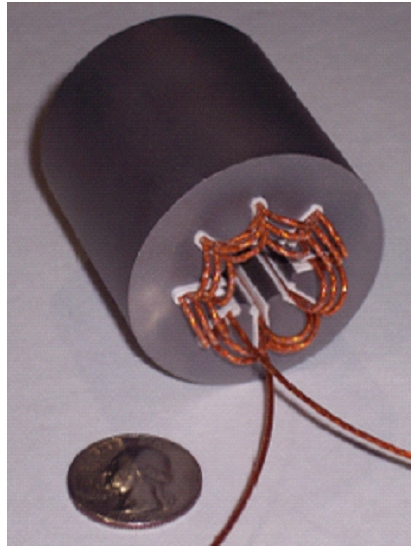
Anti-Solenoids for both IRs



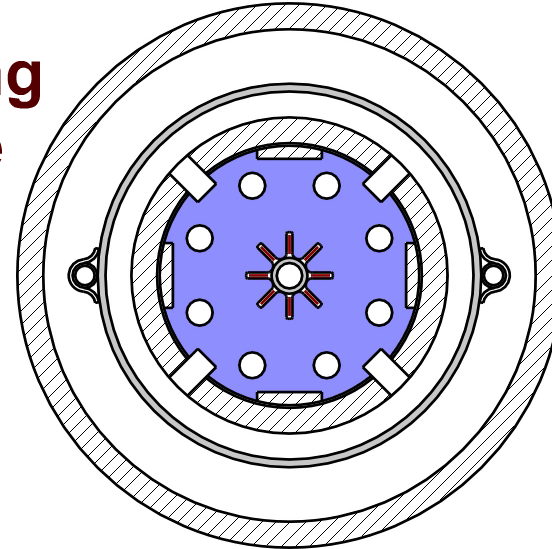
*Anti-solenoid strength must be adjusted to meet optics requirements.

Note fringe field at Z=12 m is 152 gauss.

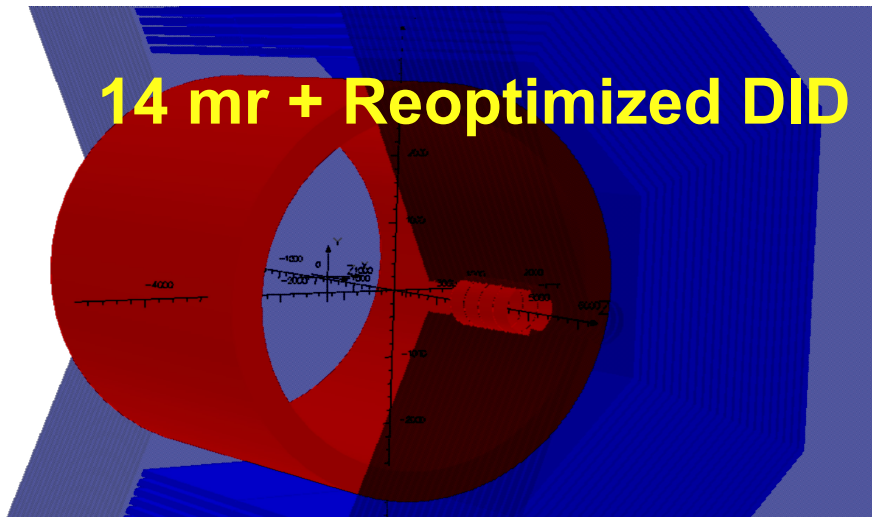
Background Reduction



**Tail-Folding
Octupole**



Both IRs



14 mr + Reoptimized DID

