

GlueX Solenoid Questions

1. Are there any cutouts in the iron to accommodate extending parts of the RT ends of radial (axial) cold mass supports? Can they be made?
2. How significant is the 150-gauss fringe field requirement.? What space envelope can be used for additional shielding? Can we add more thickness (and in what increments of the thickness) to the iron end plate at the high field end of the magnet?
3. Where are the penetrations for the current leads and the cryogenic stack? Where near the magnet can we place the peripheral cryogenics?
4. Are there any restrictions on using LN2?
5. Are there any preferences in using power supplies? Limitations on the current?

Torus Question

1. Does JLab have previous experience with ordering G10 or filament-wound support loops? They are part of the Torus design but have to comply with both strength and stiffness requirements and have to be tested experimentally.