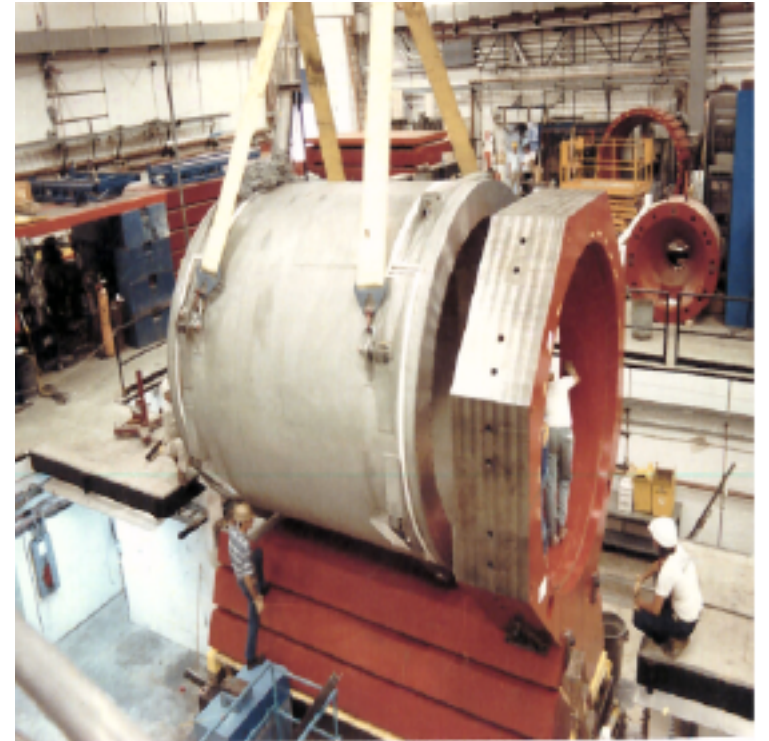


Showstoppers

Question: Are there any showstoppers in any system in the SoLID Spectrometer?

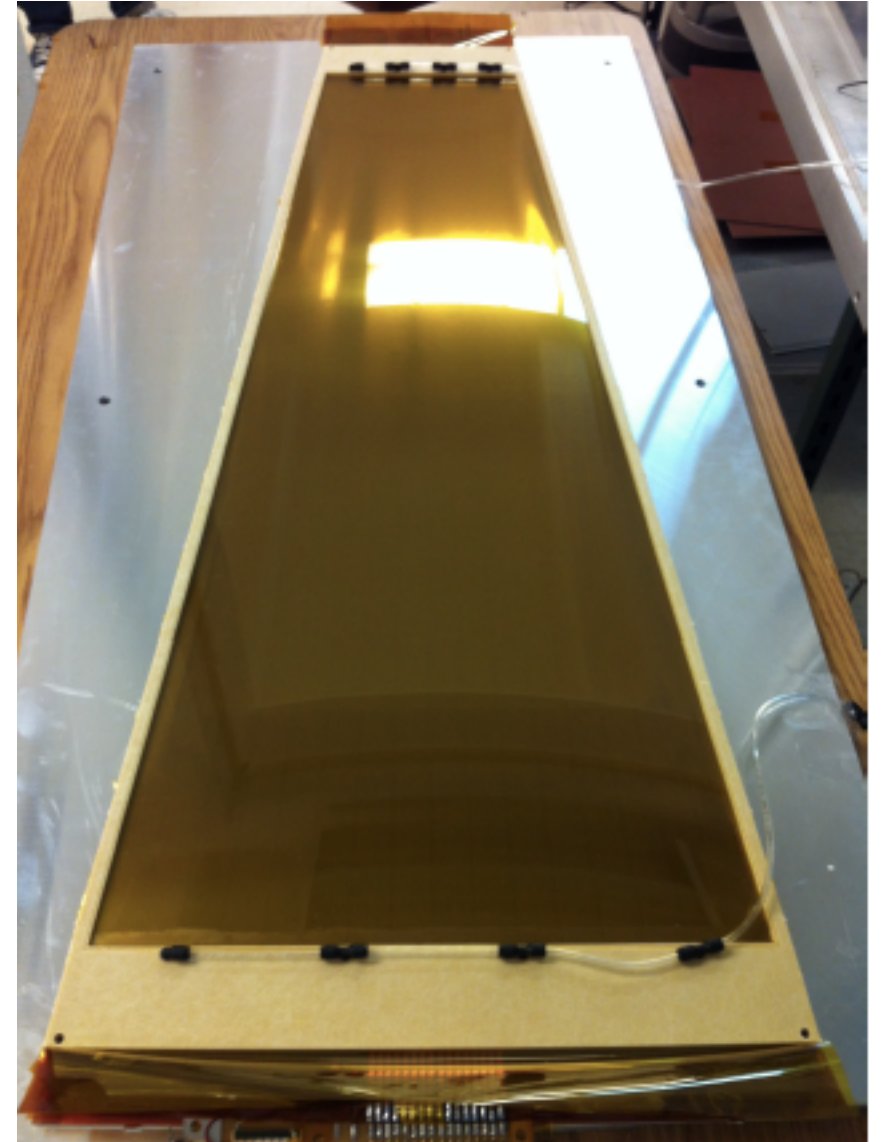
CLEO Magnet

- Newer than the GLUEx magnet
- Carefully stored and shipped
- New Instrument and Control system planned
- New Cryo Control Reservoir
- Planned tests: (Pre R&D)
 - Cool Down
 - Low power excitation



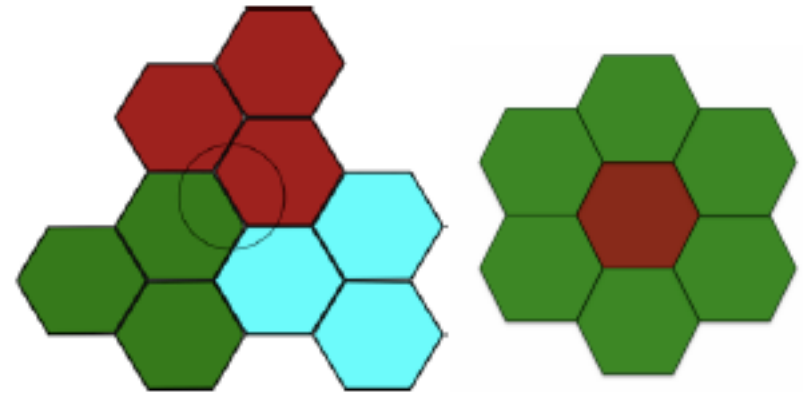
GEM Tracking

- Full size prototype tested
- Similar size planned for the LHC
- Readout (Pre R&D)
 - APV not available
 - SAMPA chip promising, especially with 80 ns readout
- Simulations underway



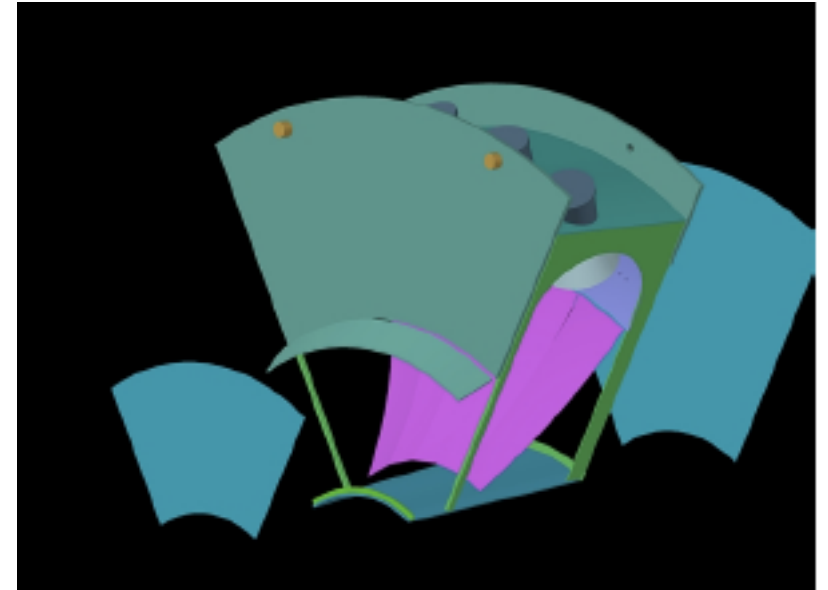
ECal

- Shashlyk technology well established
- Two possible vendors: China and Russia
- New baseline readout scheme



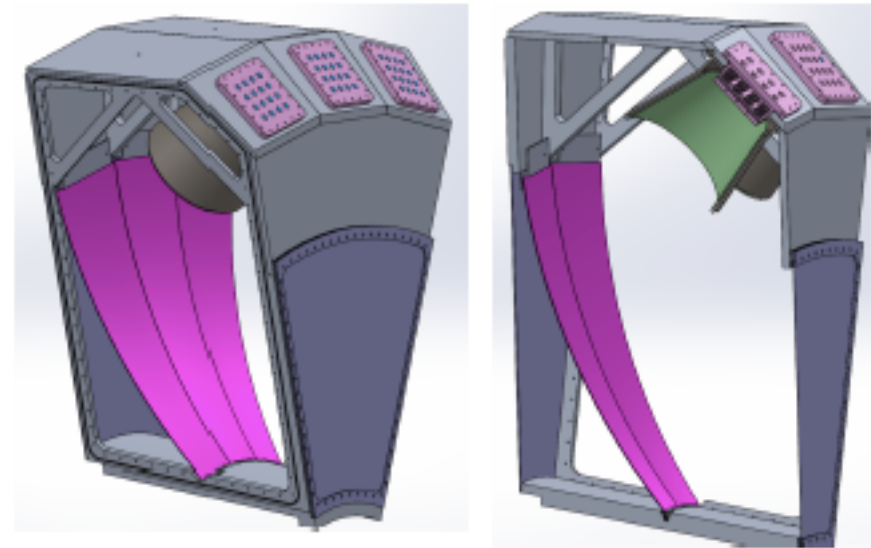
Light Gas Cerenkov

- Backgrounds calculated and acceptable
- Prototype test planned
- High rate MaPMT test planned (Pre R&D)



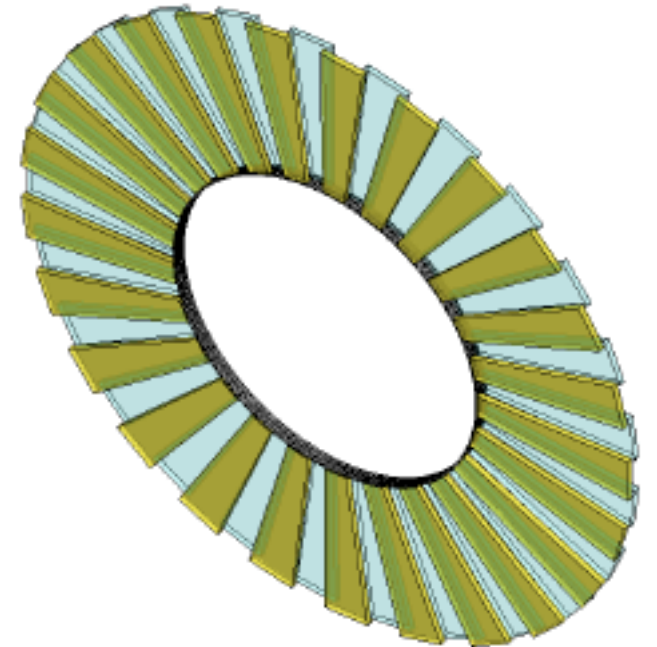
Heavy Gas Cerenkov

- Mechanical tests for high pressure underway
- Gas system will be coordinated with that of Hall B



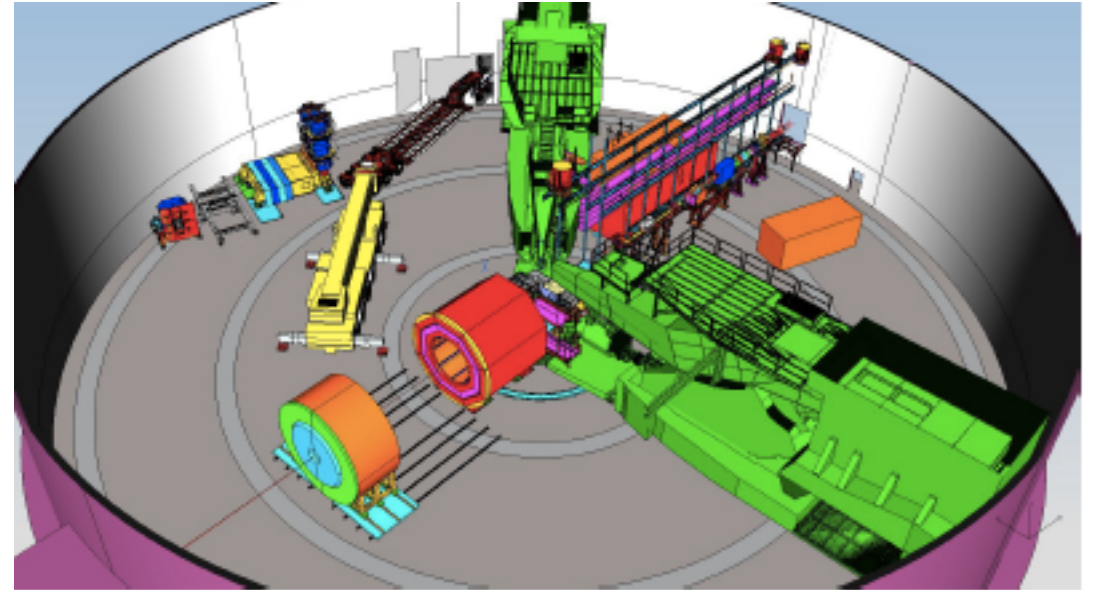
MRPC

- Lots of experience
- 80 ps resolution achieved: OK for pion separation
- 20 ps goal for Kaon SIDIS
- R&D ongoing in China



Infrastructure

- No showstoppers identified



DAQ

- Issue is handling rate
- Pre R&D tests requested

Software and Simulations

- Need manpower (Pre R&D)