

Physics

- Continued development of background simulations, which have produced an impressive report on the e-p and e-AI contributions, will be critical to the success of the experiment
 - Radiative corrections
 - Optimize detector segmentation
- Collimators
 - Beam parameters
 - Transverse components
 - Diffuse backgrounds
- Tolerance analysis
 - Effect on Physics
 - Effect on beam steering
- Evaluation of alternate designs (with engineering input)

Engineering

- Material irradiation and activation (with physics input)
 - Choice of epoxy
 - Electrical and mechanical stability over time
- Refinement of technical requirements (with physics input)
 - Position and angle of coils
 - Temperature controls
 - Power supply temporal stability
 - Effect of heat/radiation on coil size/shape and effect on physics
- Develop a staged running plan
 - Vacuum vessel, collimator and coils installation, alignment and removal (including activation estimates)
- Water-cooling and power capacity in the Hall
- Magnetic measurement plan
- Prototype magnet