

Hall A E12-09-019 Experiment Readiness Review  
Jefferson Lab June 15-16, 2017

**Charge**

1. Has the entire beamline, spectrometers, detector configuration been defined, including ownership, maintenance and control during beam operations?
2. What is the status of the equipment towards operation? What are the completion/commissioning schedule and tasks?
3. Are the responsibilities for carrying out each job identified, and are the manpower and other resources necessary to complete them on time in place?
4. Provide the target and scattering chamber configuration and requirements.
5. Have the specific equipment been demonstrated for readiness to operate the spectrometers (SBS and BigBite) and to achieve the scientific goals of the experiment? This includes demonstrating:
  - a. GEM reconstruction efficiency at high rate
  - b. High trigger rate capabilities. What are the expected accidentals?
  - c. Determination of calibration efficiency.
6. Is the beam delivery affected by the running configuration of BigBite and SBS? If yes, have the fringe field effects been properly mitigated?
7. Are the beam commissioning procedures and machine protection systems sufficiently defined for this stage?
8. Are the radiation levels expected to be generated in the hall acceptable? Is any local shielding required to minimize the effects of radiation in the hall equipment?