

Hall D E12-19-003
Experiment Readiness Review
Jefferson Lab March 31, 2020

Charge

1. What are the running conditions for the experiment? Please state clearly the target and beamline configurations and operation.
2. What is the operational status/performance requirements of the target system needed by the experiment? If not completed, what are the completion/commissioning schedules, tasks and user commitment?
3. Has the spectrometer, detector configuration been defined, including ownership, maintenance and control during beam operations?
4. What is the impact of the expected neutron radiation on GlueX detector components such as the SiPMs? Is any local shielding required? Are the radiation levels expected to be generated in the hall acceptable?
5. What is the expected data rate for the experiments?
6. Are the responsibilities for carrying out each job identified, and are the manpower and other resources necessary to complete them on time in place?
7. Are the beam commissioning procedures and machine protection systems sufficiently defined for this stage?
8. What is the simulation and data analysis software status for the experiment? Has readiness for expedient analysis of the data been demonstrated? What is the projected timeline for the first publication?
9. What is the status of the specific documentation and procedures (COO, ESAD, RSAD, ERG, OSP's, operation manuals, etc.) to run the experiments?