

Hall A E12-09-016 Experiment Readiness Review
October 22, 2020 (remote)

Charge

1. Does the polarized ^3He system impose changes to the SBS beamline, spectrometers, or detector configuration? If so, please define these, including ownership, maintenance and control during beam operations.
2. What is the status of the equipment required for this experiment towards operation? What is the completion/commissioning schedule and tasks? In particular, provide detailed information on the high-luminosity ^3He target system,
 - The target(s) configuration needed, performance requirements and status.
 - The laser system configuration needed, its operation and safety (including documentation) and status.
 - The integrated system (target holders, motion mechanics, optics, enclosures, ...) as expected to be used during the experiment.
3. Are the polarized target running configurations affected by the spectrometer fields? If yes, have the fringe field effects been properly mitigated?
4. Are the responsibilities for carrying out each job identified, and are the manpower and other resources necessary to complete them on time in place?
5. 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? Please provide a documented track record from previous experiments.
6. 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 equipment?
7. Are the beam commissioning procedures and machine protection systems sufficiently defined for this stage?
8. What is the status of the specific documentation and procedures (COO, ESAD, RSAD, ERG, OSP's, operation manuals, etc.) to run the experiments?