Experiment Readiness Review Hall B RG-C
Jefferson Lab May 30, 2019

Charge

1. What are the running conditions for EACH experiment? Please state clearly:
    a. target configuration
    b. magnets configuration (field polarity and strength)
    c. detector configuration (i.e. LTCC, RICH,…)
    d. energy, current, trigger
2. Has the entire beam line, spectrometers, detector configuration been defined, including ownership, maintenance and control during beam operations?
3. What is the operational status/performance requirements of the target system needed by the experiments? If not completed, what are the completion/commissioning schedules, tasks and user commitment? Moreover, the following point must be addressed:
    a. Have all EHS&Q considerations being included in the design, i.e. pressure vessel requirements and fire risk?
    b. Please elucidate on the polarization measurement and the associated systematics.
4. What is the simulation and data analysis software status for each 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.
5. Are the responsibilities for carrying out each job identified, and are the manpower and other resources necessary to complete them on time in place?
6. Are the beam commissioning procedures and machine protection systems sufficiently defined for this stage?
7. 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?
8. What is the status of the specific documentation and procedures (COO, ESAD, RSAD, ERG, OSP's, operation manuals, etc.) to run the experiments?