

Proton Radius (PRad) Experiment Readiness Review

November 12, 2015 – CEBAF Center L102

Committee

Eugene Chudakov (chair, calorimetry)

Pavel Degtiarenko (radiation control)

Bert Manzlak (EH&S)

Doug Higinbotham (target)

Michael Tiefenback (Hall B accelerator operations)

Glenn Young (12 GeV)

Eric Sun (pressure vessel)

Charge to the committee

1. Has the target and detector configuration been defined (including ownership, maintenance and control during beam operations)? Is all the necessary equipment installed and operable? If not, what are the completion/commissioning schedule and procedures?
2. Have all the jobs that need to be done to mount and run the experiment/s been identified and defined adequately?
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. Is the plan for the installation and operation of the experiment well integrated with the 12 GeV construction? Have potential conflicts with the 12 GeV Upgrade in Hall B been examined and resolved?
5. Are the changes in the beam line to run the experiment as compared to the Hall B 6 GeV situation compatible with safe and efficient beam operations?
6. Are the radiation levels expected to be generated in the hall acceptable?
7. Are the PRad specific equipment, documentation and procedures to run the experiment in place and adequate? This includes demonstrated readiness for expedient analysis of the data.
8. Are the formal documentation requirements and reporting (run coordinator → shift leaders) procedures for running the experiment adequate, appropriate and complete (COO, ESAD, RSAD, ERG, OSP's, general equipment operation manuals, etc.)?