

Charge to the Review Committee of HPS SVT and SVT DAQ project

Thank you for agreeing to review the SVT and the SVT DAQ Project of Heavy Photon Search (HPS) experiment. It is expected that electron beams for HPS engineering run in Hall-B will be available early October-November of 2014. The HPS collaboration aims to have detectors installed and ready for commissioning with beam in October of 2014. In your review, please evaluate how ready the SVT and the SVT DAQ Project are to move forward to the construction phase, and towards the installation at JLAB by September'14.

Specific aspects of the project that must be addressed are:

- 1. Are the detector specifications clearly defined and reflect the physics requirements?**
- 2. Does the detector design meet the required specifications?**
- 3. Are the interfaces with the other sub-system sufficiently understood, e.g. Beamline, Slow Control, Software, TDAQ.**
- 4. Does the team have a resource loaded schedule with milestones that allows the installation of the SVT detector in September'14?**
- 5. Is planning underway for initial "rough" calibration, final calibration, and commissioning? Who will have responsibility for these areas?**
- 6. Are there remaining issues in the project that require additional R&D and/or design changes?**
- 7. Can the project adequately justify the cost and are the necessary funds secured?**
- 8. Has a quality assurance plan be developed and put in place?**
- 9. Other Comments**

Your advice on the review of the SVT and SVT DAQ Project is greatly appreciated.