

Hall A GEM Gas Distribution System Meeting

Date: February 18, 2020

Time: 14:45 – 15:45

Attendees: A. Brown, P. Campero, B. Eng, K. Gnanvo, G. Jacobs, T. Lemon, M. McMullen, B. Sawatsky, J. Segal

1. Gas Distribution Panel (G. Jacobs, J. Segal)

- 1.1. George can give a short presentation on the current plan for gas distribution and panel design.
 - 1.1.1. Once ratified, the P&I should be forwarded to the system owner (Jack) to proceed with pressure systems determination/review.
DSG will forward the P&I diagram with the spreadsheet of the components of the system. The Hall A gas systems owner will request the DSG to procure all the items needed **after review for any required safety approvals.**
- 1.2. Jack can give an update on the proposed installation location.
The mounting location for the gas panels is still under review. Brad and Jack are considering the mounting of the panels, and if racks will be used or another method.

2. Transducer testing (B. Eng)

- 2.1. Brian can refresh the group on the outcome of the hall radiation test and give details on a path forward.
The transducer test indicated no significant issues to operation of the flow transducers during beam. DSG will move forward with the tested model for use in the distribution system. DSG will review the integration of the transducers into a readout system.

3. GEM detector progress for SBS/BB (K. Gnanvo, N. Liyanage, E. Cisbani)

- 3.1. An update on the progress of the GEM detectors and the installation timeline will be discussed.
GEM detector installation continues for both SBS and BB modules in the EEL cleanroom and test lab.
 - 3.1.1. Kondo, Nilanga, and Evaristo can give the current status of the GEM detector system development and a timeline. A timeline of system testing and integration is under review.
Tentatively, tests of the distribution panel/system in the EEL clean room (rm. 124) will begin in June of 2020, with plans for a larger system test in September of 2020 in the Test Lab.
- 3.2. Procurement: Hall A can provide information to the DSG members on items/time frame for procurement of the gas system components. This will give DSG management insight on the allotment of manpower and work planning.
After the P&I diagram and equipment cost list has been sent, Hall A will officially approve the start of procurement of all components for immediate purchase.