

Hall A GEM Gas Distribution System Meeting

Date: September 17, 2019

Time: 14:30 – 15:30

Attendees: B. Eng, K. Gnanvo, G. Jacobs, N. Liyanag, M. McMullen

1. Gas Distribution Panel (G. Jacobs, P. Campero)

- 1.1. George will go over some details of the gas panel and gas line routing.
 - 1.1.1. George presented details on the distribution panel concept.
 - 1.1.2. DSG will work with the system owner (Jack Segal) to inform the design authority of the concept.
- 1.2. The placement location of the panel and the layout of that location should be discussed to define gas line routing and securing the gas panel.
 - 1.2.1. The hall is open; DSG will speak with Jack about possible locations for the distribution panel on the pivot.

2. Transducer testing (J. Segal, B. Eng)

- 2.1. After last month's meeting one of the flow transducers was placed in Hall A during beam time. An update on the status of the detector will be discussed.
 - 1.2.2. Brian informs the group of the initial testing done on the activated flow sensor. The sensor is within a few CCs of a precision MKS mass flow meter when tested with actual flow.
 - 1.2.3. Kondo requests that a sensor be installed on one of the lines in the UVA test set up in the large EEL clean room.
 - 1.2.3.1. DSG will work on getting the second sensor installed and running in the clean room.

3. Gas systems progress (All)

- 3.1. An open discussion on the progress of any of the other systems which will need gas supply system design will be covered.
 - 3.1.1. Kondo and Nilanga inform the group of the outcome of last week's SOLiD review, as it pertains to the GEM detectors for SOLiD and Moeller.
 - 3.1.1.1. They are moving forward and have been provided funding for R&D.
 - 3.1.1.2. Nilanga and Kondo will consider the needs for all GEM detectors and provide the information to the DSG.
 - 3.1.1.2.1.1. George made a point that the distribution panel concept is expandable by adding rotameters, manifolds, sensors, ect...
 - 3.1.1.2.1.2. The distribution will be limited to configuration of the hall: SBS/BB or SOLiD or Moeller
 - 3.1.1.3. Nilanga has a student who will forward gas flow diagrams to the DSG.