

Hall A GEM Gas Distribution Meeting

Date: September 29, 2020

Time: 09:30 – 10:30

Attendees: Peter Bonneau, Aaron Brown, Pablo. Campero, Evaristo Cisbani, Kondo Gnangvo, George Jacobs, Tyler Lemon, Marc McMullen, Brad Sawatzky, Jack Segal, Ezekiel Wertz

1. Update of procurement tasks
 - 1.1. All components procured to build the full system, except the exhaust system project boxes
 - 1.2. Six project boxes have been ordered for the prototype system (BigByte)
 - 1.3. Project box order for the Super BigByte will wait until after testing the prototype
 - 1.4. Machine work for the prototype boxes for exhaust components still needs procurement
2. Marc demonstrated the flow readback display using three of the eight channels
3. Tyler gave presentation on the project box development for the exhaust flow sensors and multiplexer board
 - 3.1. [Hall A GEM exhaust flow sensor box presentation](#)
4. Expected delivery of the pre-assembled components of the prototype, eight-channel, gas distribution is mid-December
 - 4.1. Everyone agreed that the delivery date is good
 - 4.2. DSG will deliver the components to EEL 125
 - 4.3. Kondo has two students who may be able to contribute to post assembly
 - 4.4. DSG will provide remote support
5. Marc asked how the Raspberry Pi will access the network
 - 5.1. 188 subnet is used for Raspberry Pi
 - 5.2. Jack has a method to access from remote
6. George inquired about contamination issues and the effect on signals during changes in ambient pressure
 - 6.1. Overpressure is enough to prevent contaminants from entering
7. Evaristo noted that the INFN contingent will not travel to the U.S. until 2021
 - 7.1. Ezekiel Wertz has joined as a student user to work with INFN