

DSG Engineering Meeting Minutes

Date: May 21, 2024

Time: 02:00PM – 03:20PM

Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. Hall A – ECAL

Marc McMullen

1. Reviewed modifications made to Power Supply Interface Chassis
 - Ventilation holes added to top and sides of chassis

2. Hall A - GEM

Marc McMullen

1. Reviewed work requests from Holly

[Dsg-internal] Fw: DSG support in Hall A

Subject: Re: DSG support in Hall A

Dear Patrizia, Amrit,

I list here the work we have planned, and I think DSG could help support with the gas system (we will need all GEMs moved over to the current SBS distribution gas system) and cabling with strain relief as well as decabling the current experiment.

Here's the general tasks:

Low voltage:

- Joe B will add cables, fuses, connection blocks for the 6 new GEMs

High voltage:

- this all exists and just needs to be mounted, relabeled and moved around (I will do this)
- DSG could help to manage testing and returns of a few of the CAEN units we have trouble with.

GEMs:

- De-cable BB and SBS (1 week/side—starting after Memorial Day)
- BigBite GEMs can be removed one at a time and slid into the assembly frame. Check for shorts, remove shorts, and repair any bad APVs. We have a team of experts who can do this.
- SBS GEM inline stack needs to be craned from SBS platform early June.
- Tech support with crane needed to slide each layer out one at a time for repairs. Need two tables setup to hold the GEM being tested. Estimate 4-6 weeks for repairs and reassembly. DSG could get involved here to expedite testing and setup of the GEMs on a table.
- Cabling and moving the BB crates to the SBS crate tower (2 weeks). DSG can help here greatly with manpower and strain relief of cables.

Gas system:

- All lines needs to be moved to SBS distribution system. DSG initially setup this system, and it would be great if they could do this for us.

Thanks,
Holly

- Marc will contact Holly to get clarification and specifics