

## DSG-R&D EIC Meeting

**Date: February 3, 2022**

**Time: 11:00 – 12:00**

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

### 1. **EIC**

*Pablo Campero, Brian Eng*

1. Meeting with Micromegas
  - Presented their support concept
2. Still having licensing issues with Ansys (slightly different than the previous ones, no available CFD solver)
3. Updated steady state model to get results at different radii
  - Insert component(s) around/between actual material layers, e.g. between silicon and beryllium pipe (air @ 20°C)

Separation between Be-Pipe and Si-Sensor L1 [mm]	Max. Si Sensor L1 Temp [°C]
1.24	72
2	61.94
3	53.7
4	47.99
5	43.66

- Polynomial fit (for above radii):  $y = -20.33\ln(x) + 76.2$ ,  $R^2 = 0.9998$