DSG-Ansys R&D Meeting Minutes
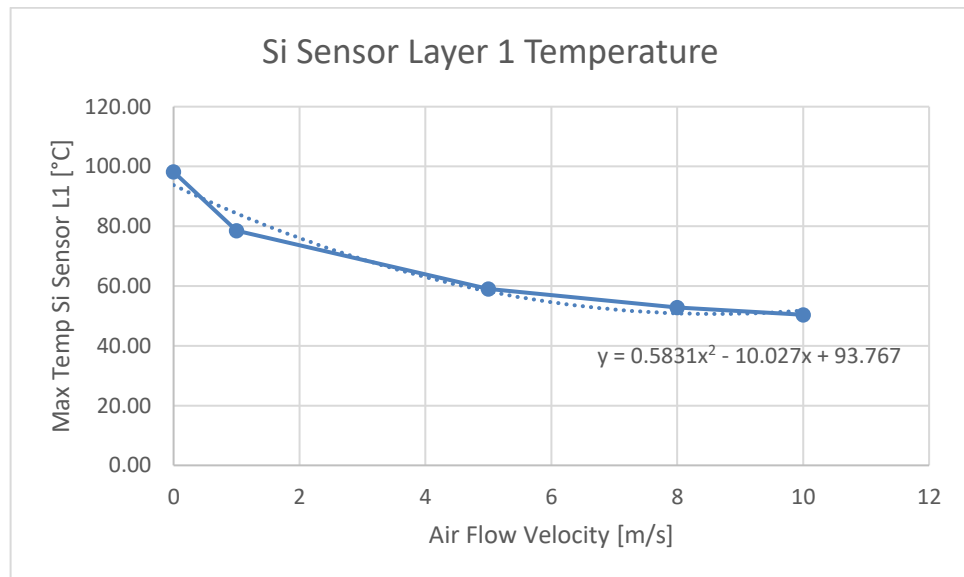
Date: March 31, 2022
Time: 14:00 to 15:00

Attendees: _Aaron Brown, Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen_

1. **EIC beryllium section**
   Pablo Campero and Brian Eng
   1. Purchased license received and running on JLab Ansys License server; available for all users
      - Temporary licenses are still available and usage issues resolved
   2. Discussed _Ansys Hub Learning_ subscription
      - Brian provided a code to register, which allows access only till the end of May, 2022
      - Registration is not immediate
      - Permanent registration for any course requires payment
   3. Ran simulation in _Ansys Fluid Flow Fluent_ with double precision option for an air velocity of 1, 5, 8 and 10 m/s for the ambient and annulus space
      - Made a plot with the obtained results
      - Additionally, ran simulation for an air velocity of 0 m/s but got unexpected results. To solve the problem, reentered a value close to 0 resulting in a max temperature for the Si Sensor L1 of 98.20°C

Preliminary Results