



U.S. DEPARTMENT OF
ENERGY



EIC Beamline R & D Status

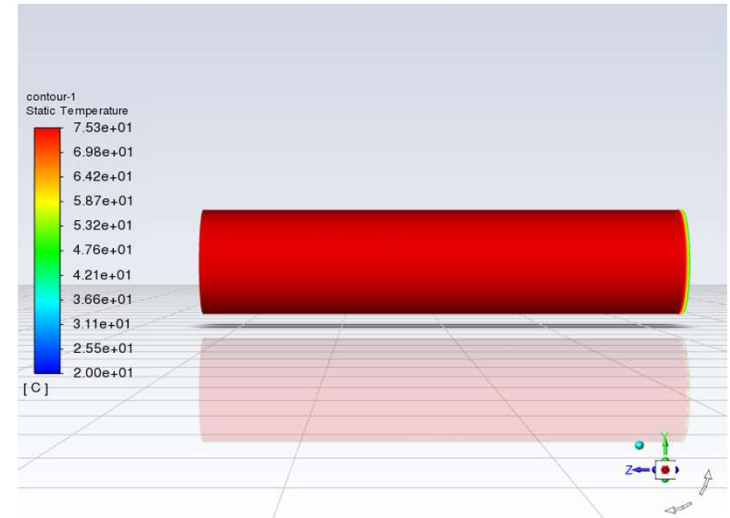
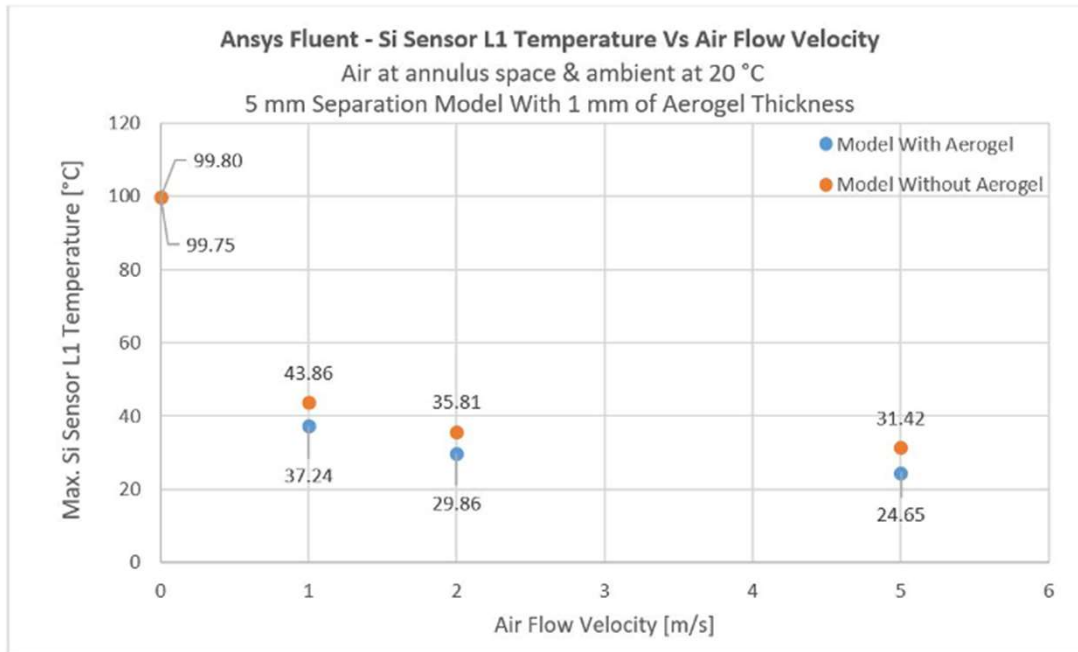
Detector Support Group
February 28, 2023

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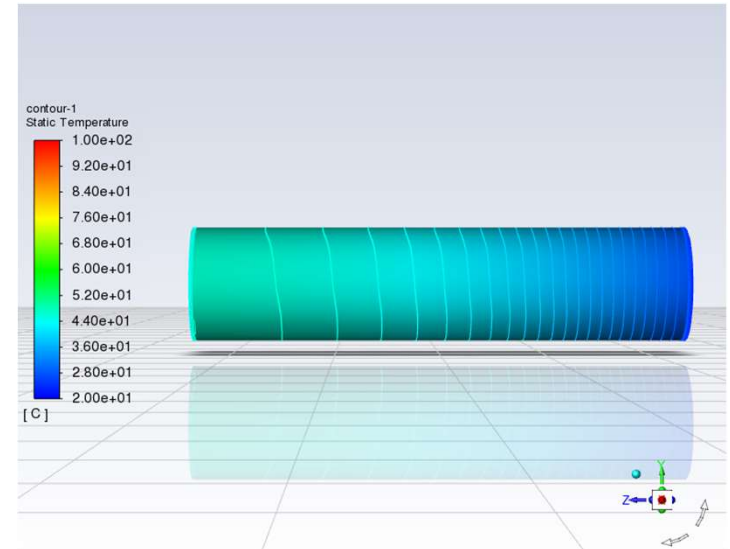
EIC

Brian Eng, Pablo Campero, and Marc McMullen

- Started re-assembling controls for the beamline test
- Researching aerogel for insulating the test stand
- Ran thermal simulation of model with 5 mm between beampipe and silicon sensor and with 1 mm of aerogel insulator



Right side view of silicon sensor with air flow velocity at $1 \cdot 10^{-7}$ m/s



Right side view of silicon sensor with air flow velocity at 1 m/s