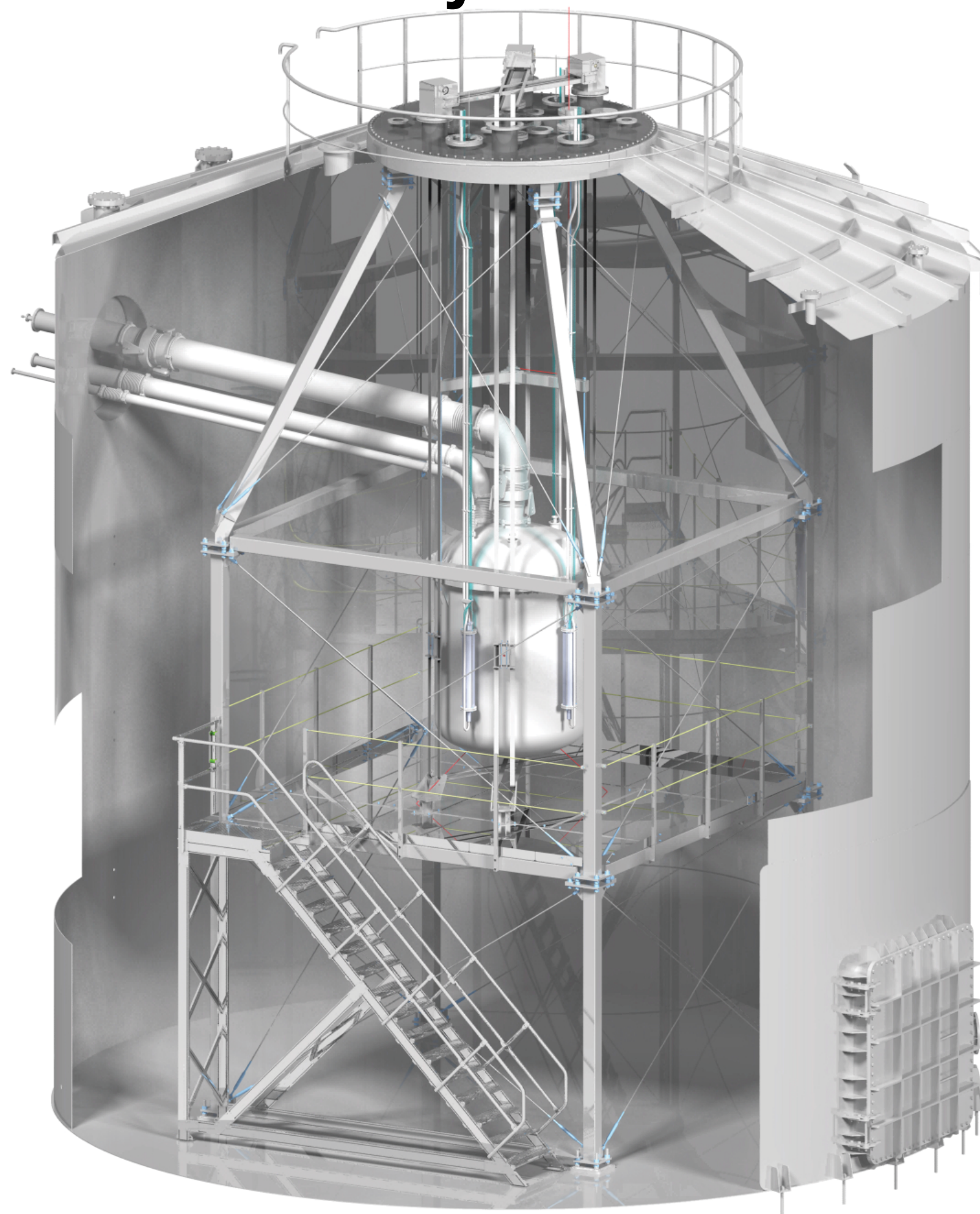


# Dark Matter Group

[decowski@nikhef.nl](mailto:decowski@nikhef.nl)

# Towards XENONnT

**Early January:  
Opening Water Tank after  
2.5 years**



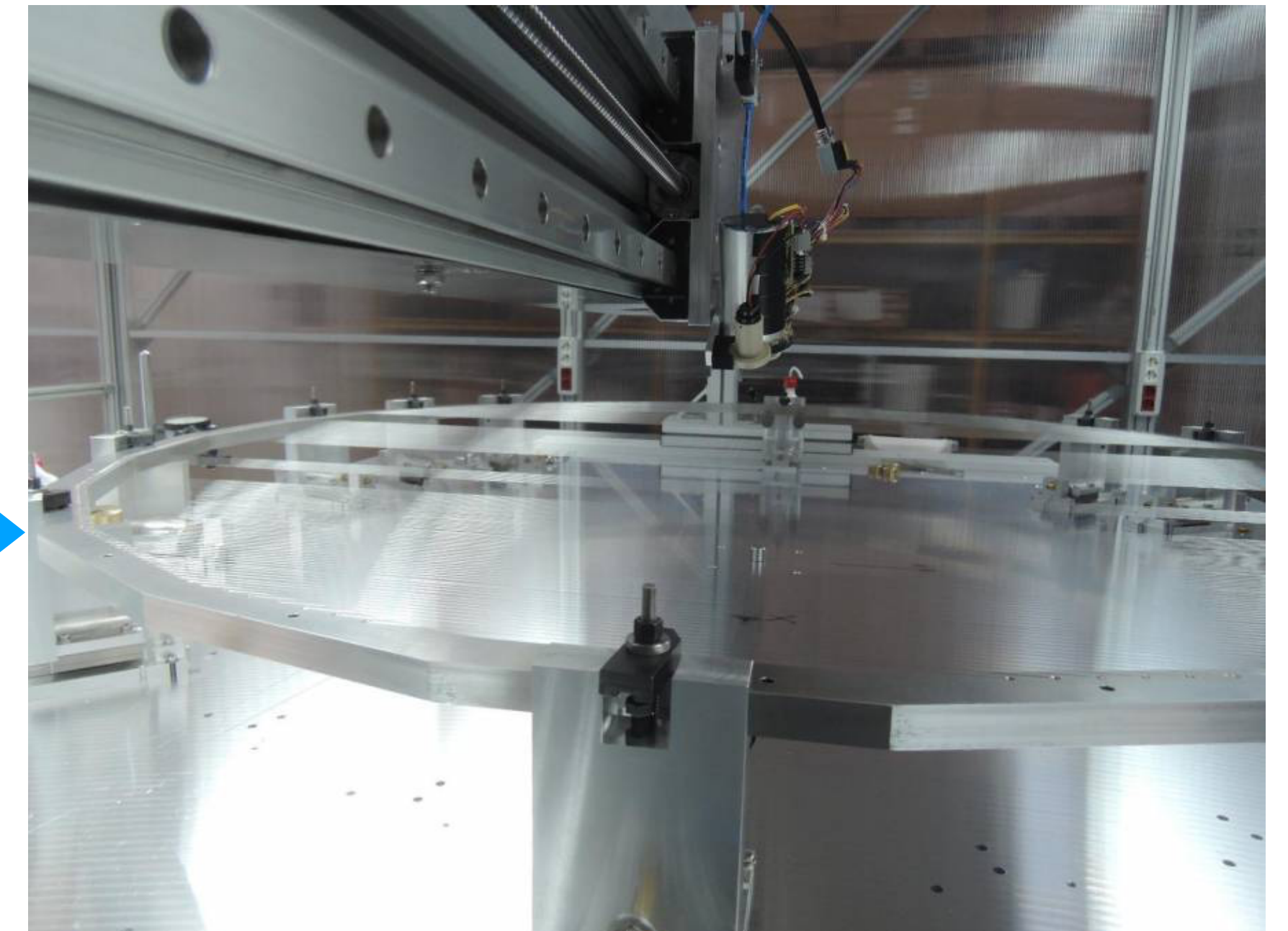
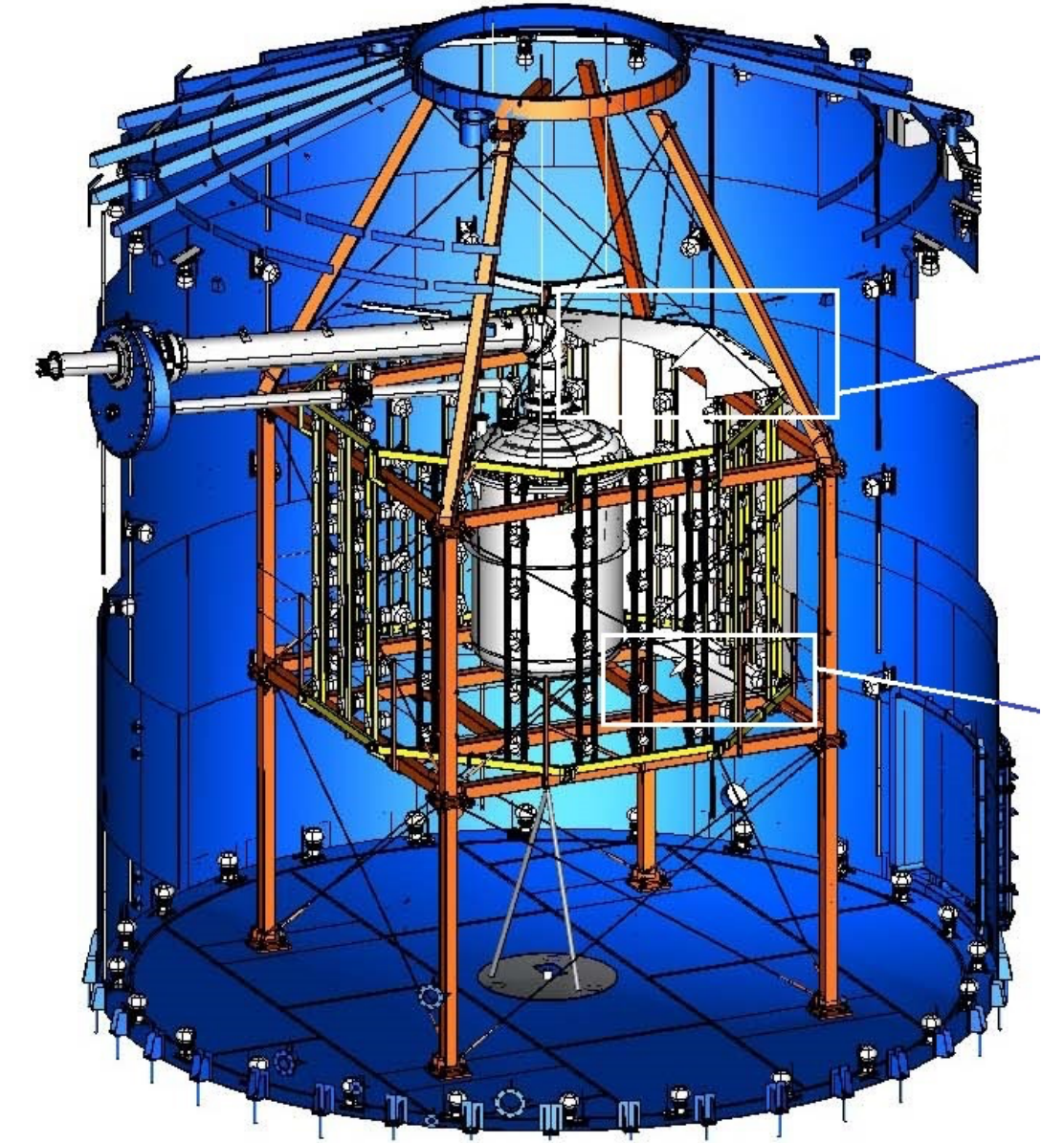
**Inside looks good:  
Clean room being built**

@LNGS



**Nikhef MSc students:  
Thomas Mons & Davey Oogjes**

- TPC design finalized, electrode production started
- Cryostat finalized
- Radon system, purification systems redesign ongoing
- New DAQ tested
- Challenge: Gd-loaded water in Water Tank



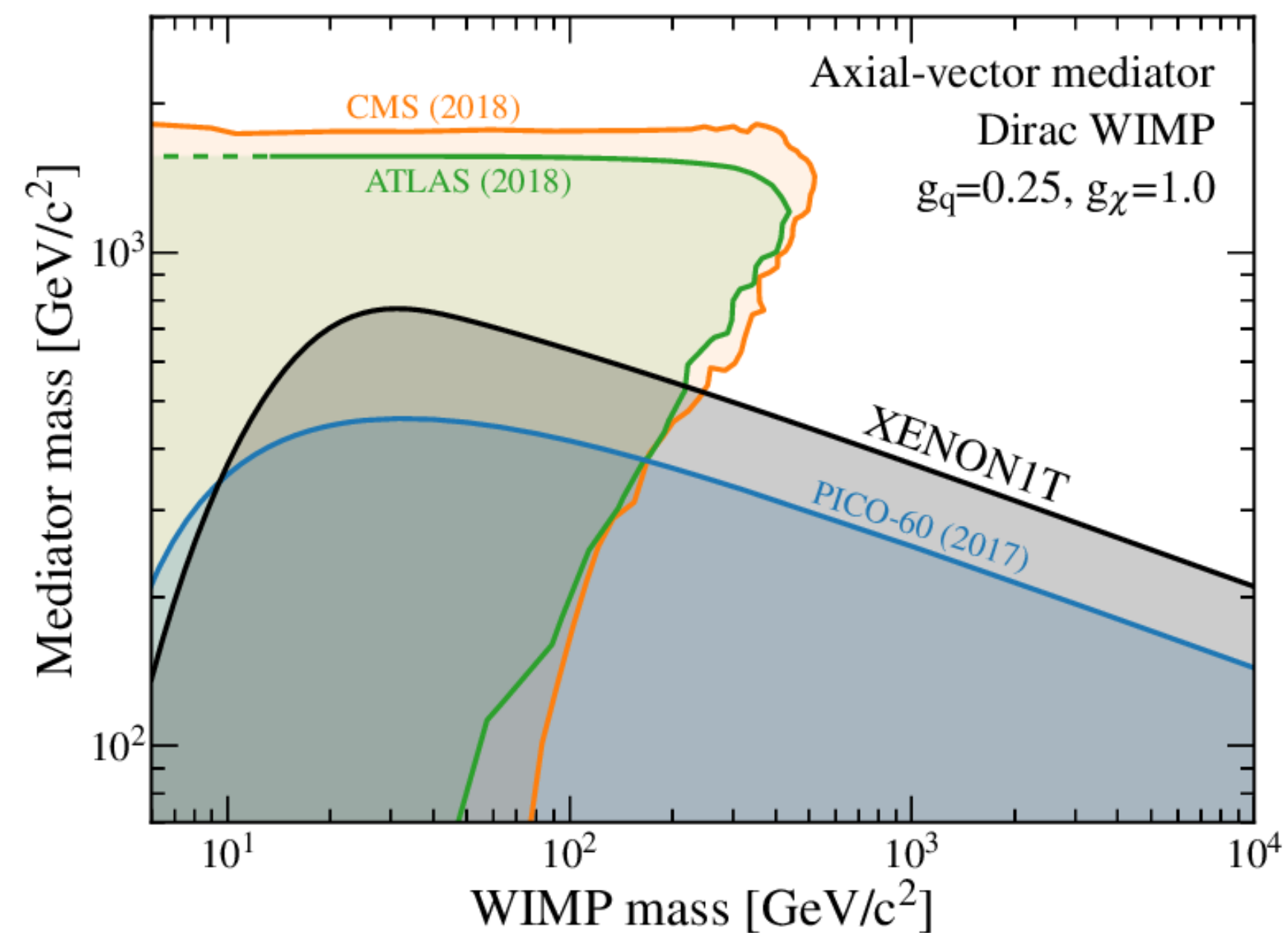
Sander Breur defended Jan 11, 2019



Erik Hogenbirk defending March 8, 2019



Sander's spin-dep work: arXiv:1902.03234



Lateral Position Reconstruction

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