



# Skimmer installation in EYETS 24/25 and operations options

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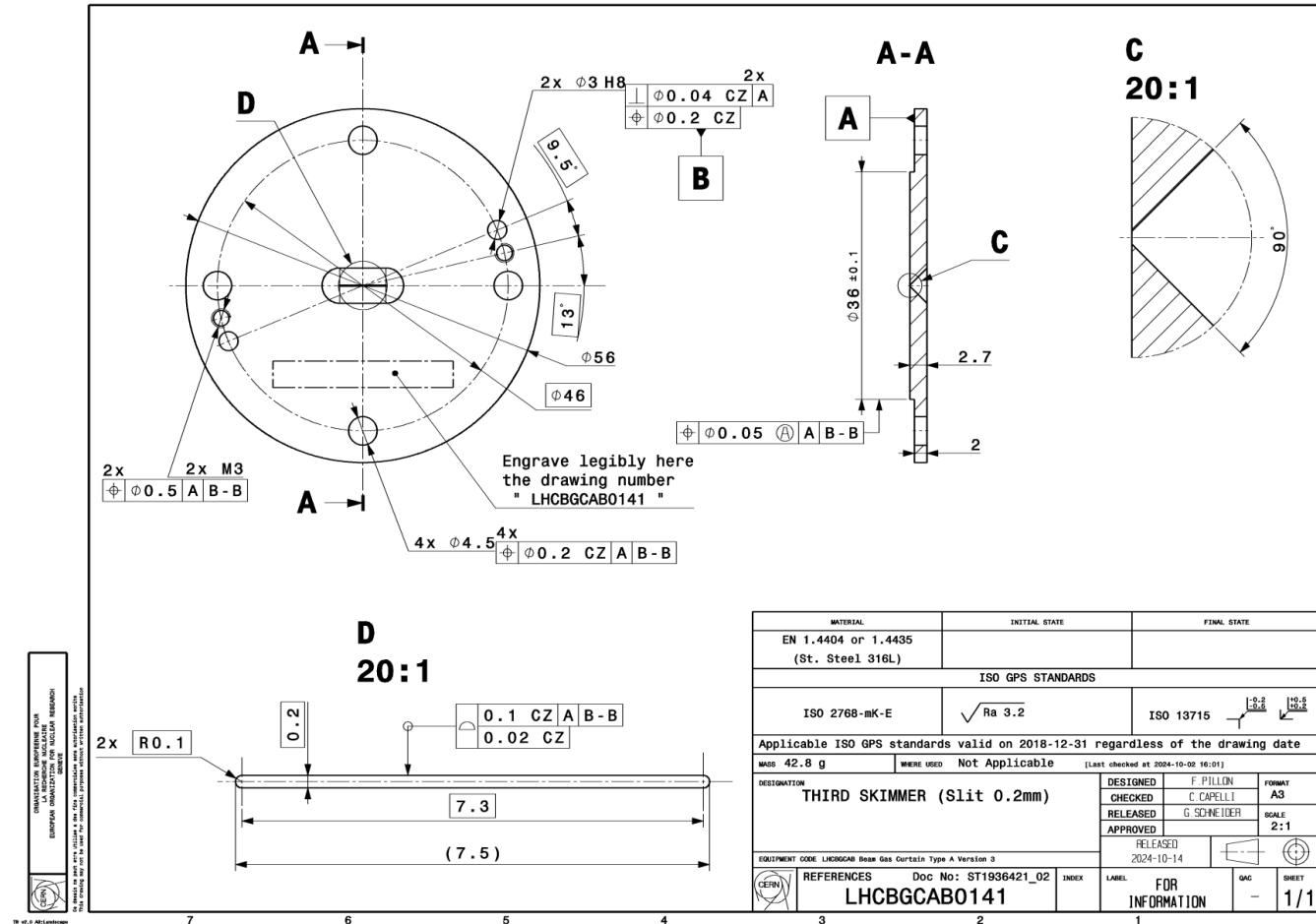
*11th BGC Collaboration Meeting 02.12.2024 Liverpool University*

# Content

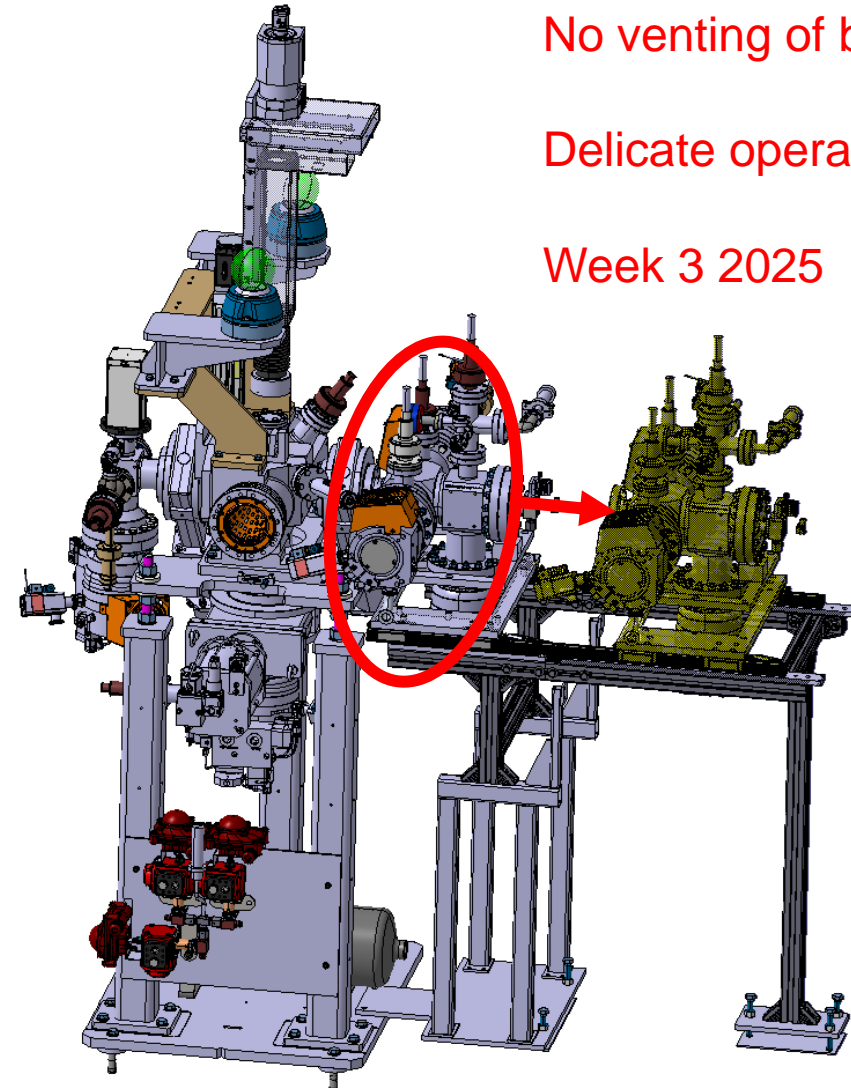
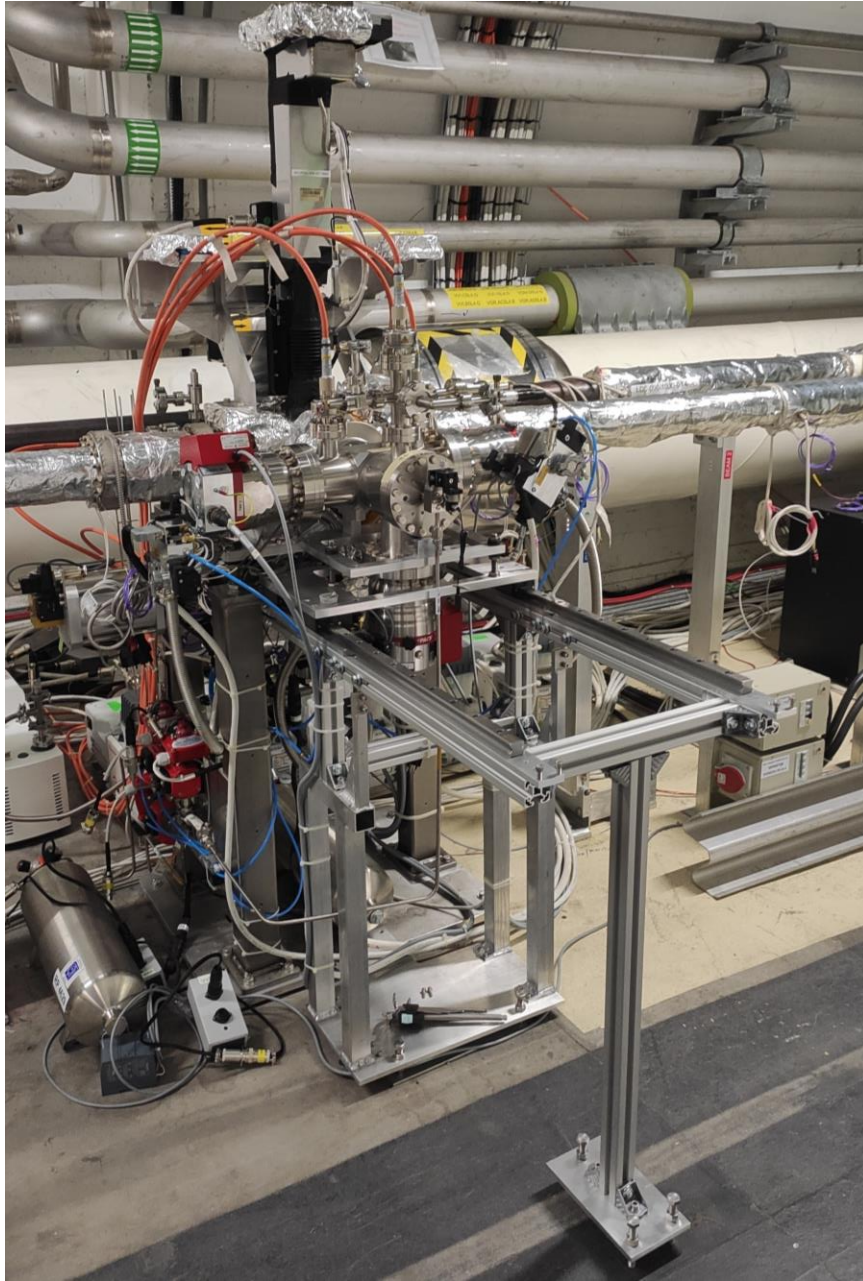
- Skimmer installation in EYETS 24/25
- Operation options in 2025 and 26
- Summary

# Skimmer to be mounted in week 3 2025

- Width 0.2 mm (existing skimmer is 0.3 mm)
- Drawing number LHCBG CAB0141
- Manufacturing ongoing in industry



# 3<sup>rd</sup> Skimmer exchange support



No venting of beam pipe.

Delicate operation!

Week 3 2025

Courtesy K. Sidorowski

BGC collaboration meeting

# Operation Options 2025

- Change from Neon to Nitrogen
  - Possible in a short stop of minimum one day
  - Material for the change exists (CERN safety test of material remains to be done)
  - Engineering change request required
  - Optical system ready? Only filter change?
- Skimmer change in a Technical Stop challenging → will have experience from skimmer change in EYETS 24/25.



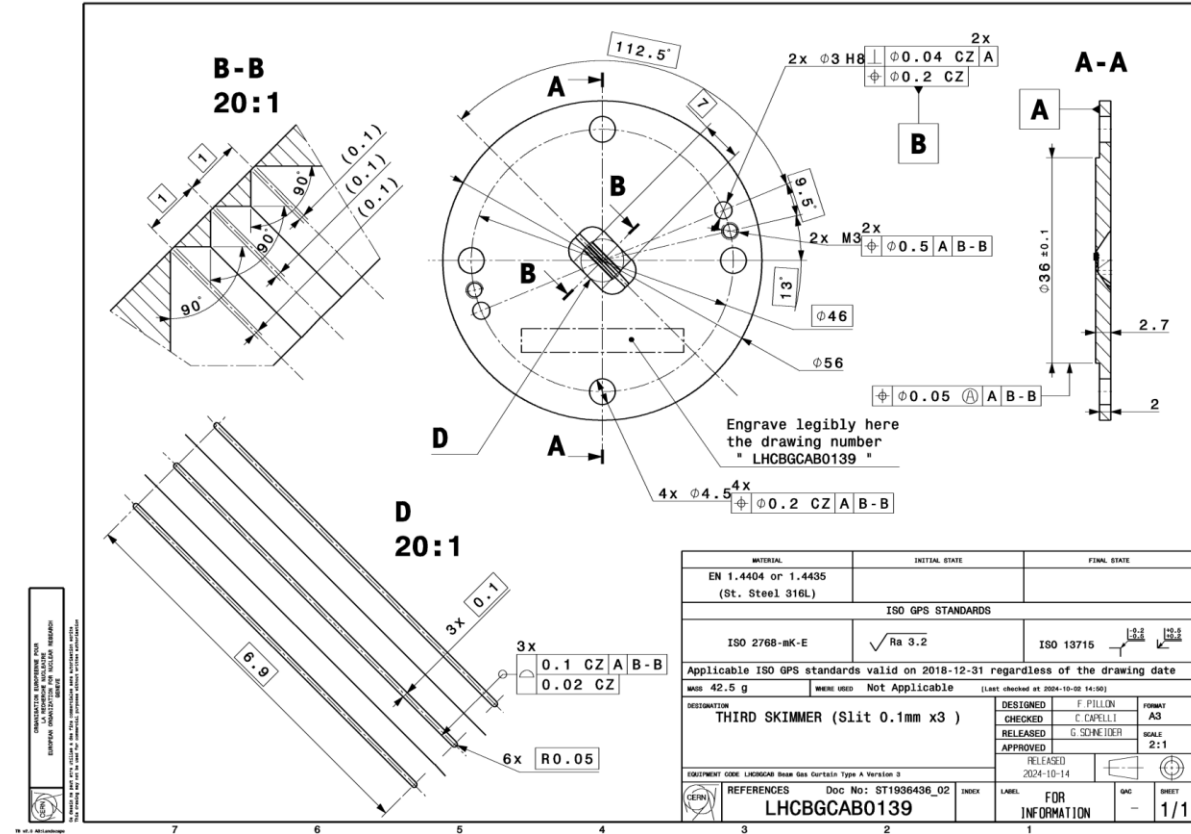
# Operation Options 2026

- Operation as Halo Instrument

- Skimmers options seen on drawings LHCBCAB0139, 140, 143 and 144

- Operation with Neon or Nitrogen

- Any further preparations needed?



# Summary

- Start of operation in 2025 with Neon
- Change to Nitrogen possible in 2025
- Halo Operation is an option for 2026



***Questions?***

