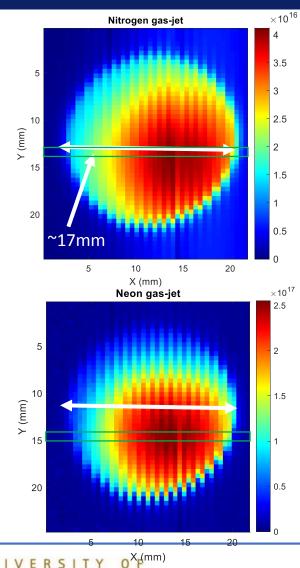
Cl update

CI team



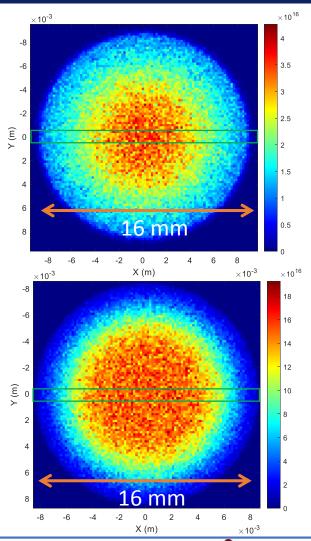
Experiment vs Preliminary simulation



VERSITY

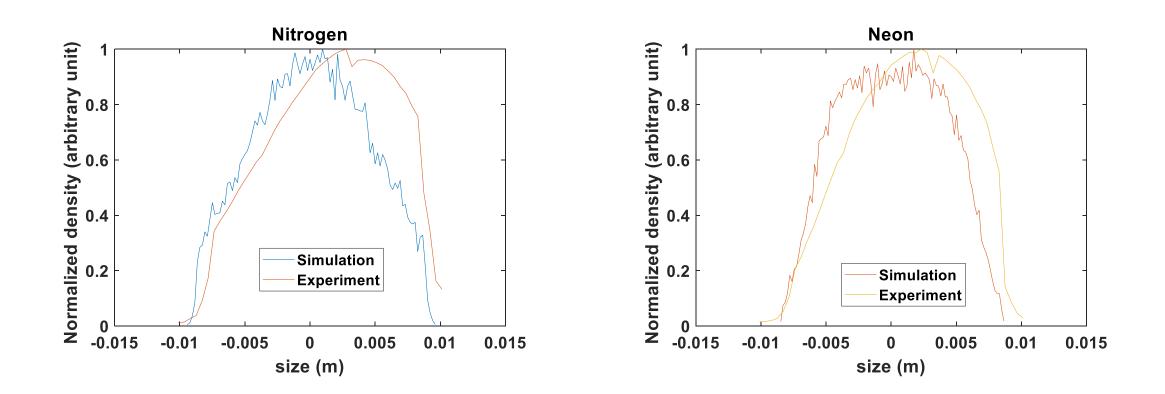
- **Density and its distribution** match very well.
- Nitrogen has a slightly higher spread than Neon, which is showing in both cases.
- 5-time higher density for neon showed in both cases.
- **Clearly there is a misalignment** in experimental data.

- Need to carefully examinate the simulation code. Master student Bethany is
- dedicatedly working one this.





Line plot







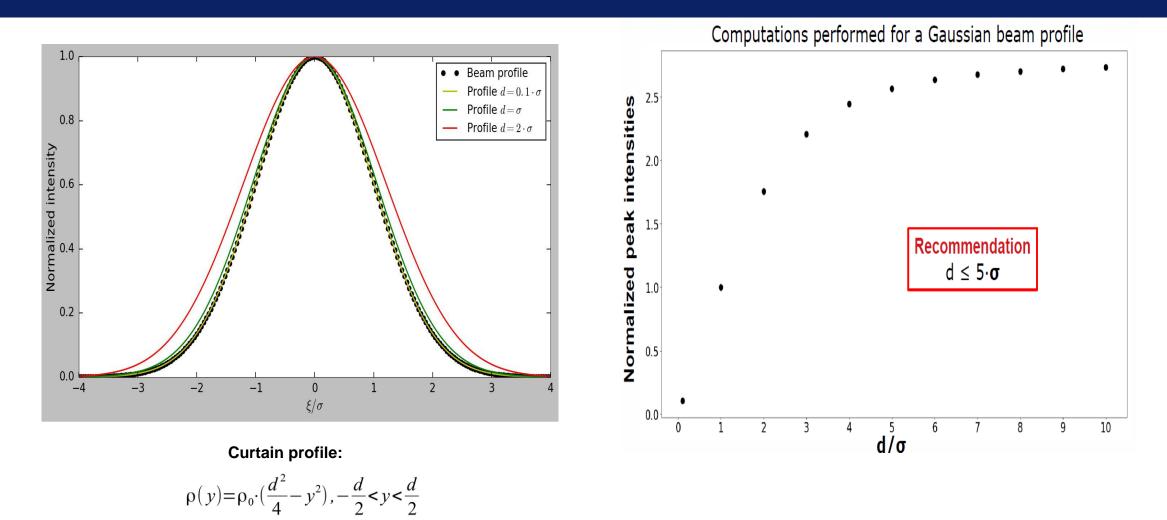
Investigate alignment

- Redo the alignment with 2mm round skimmer this week
- Just close chamber for test Tomorrow or Monday.





gas jet thickness => 3rd skimmer size



From Serban's talk





Discussion

- Our current 3^{rd} skimmer is 0.7mm, which is to produce a d = $5^*\sigma$
- In this setting, it will have higher signal strength.
- It might give a larger error in the y profile measurement.



