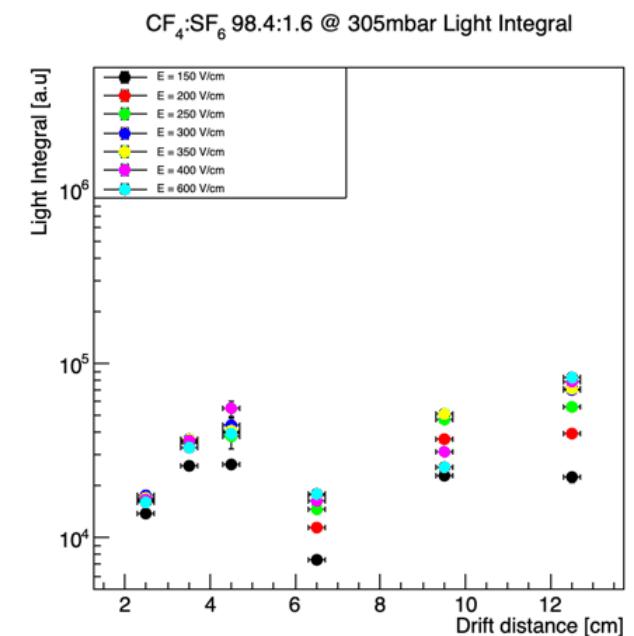
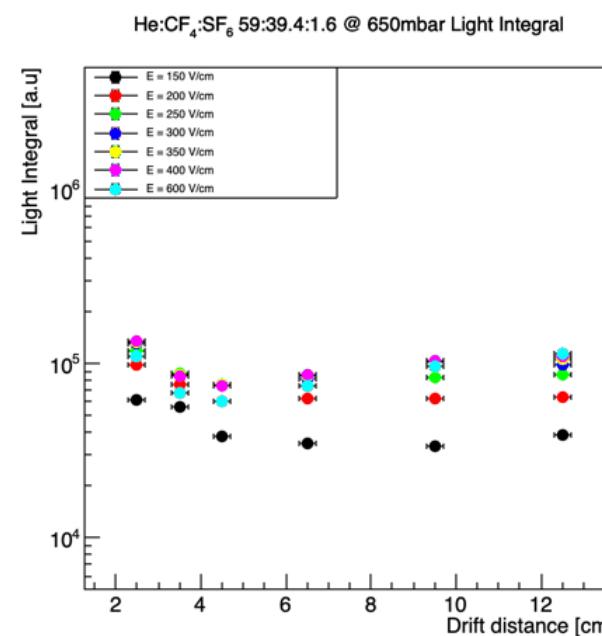
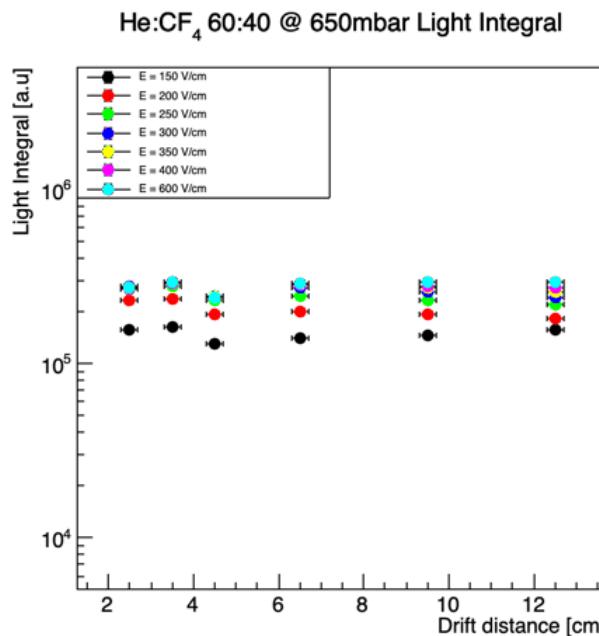
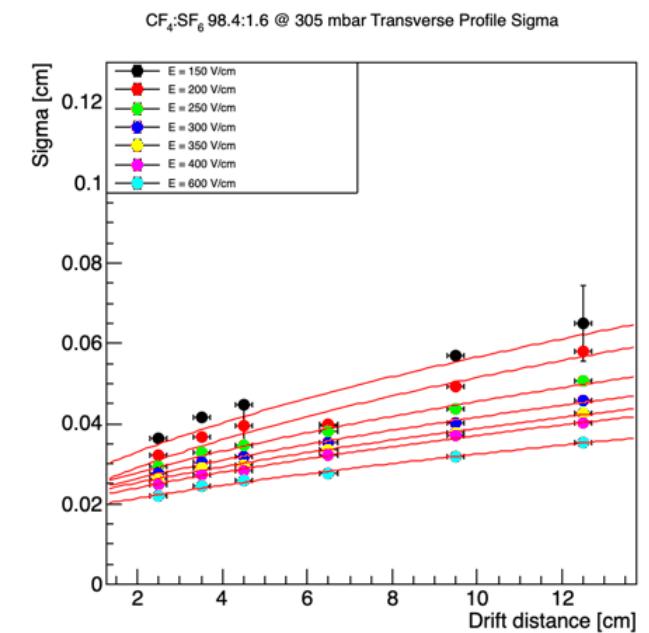
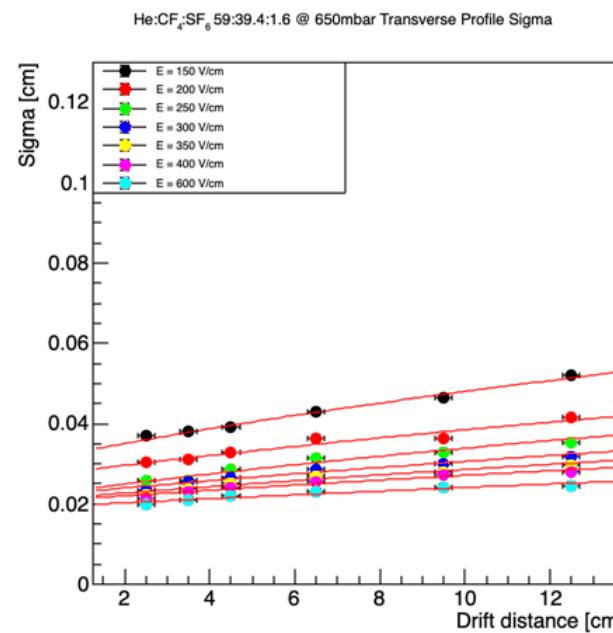
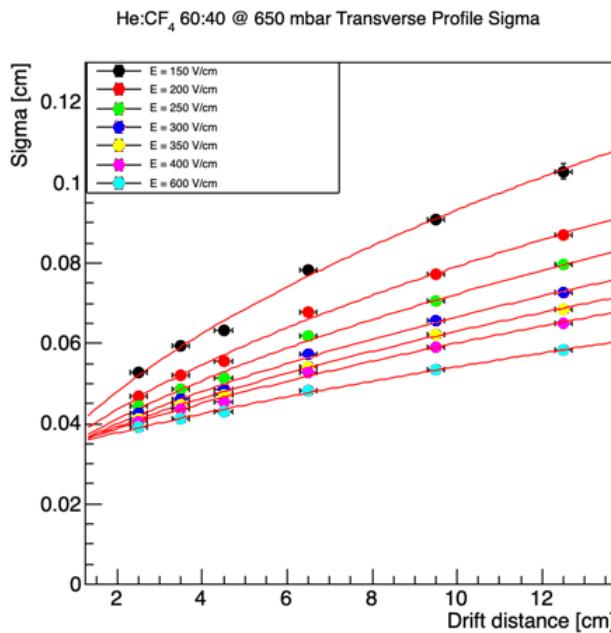


Update on NID

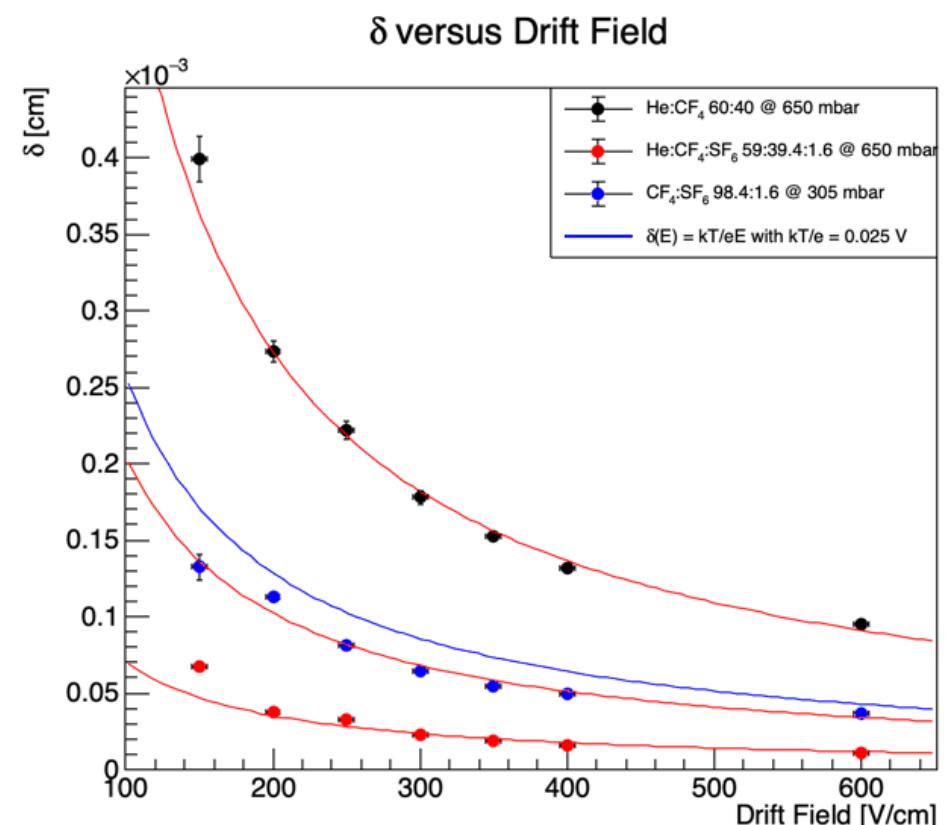
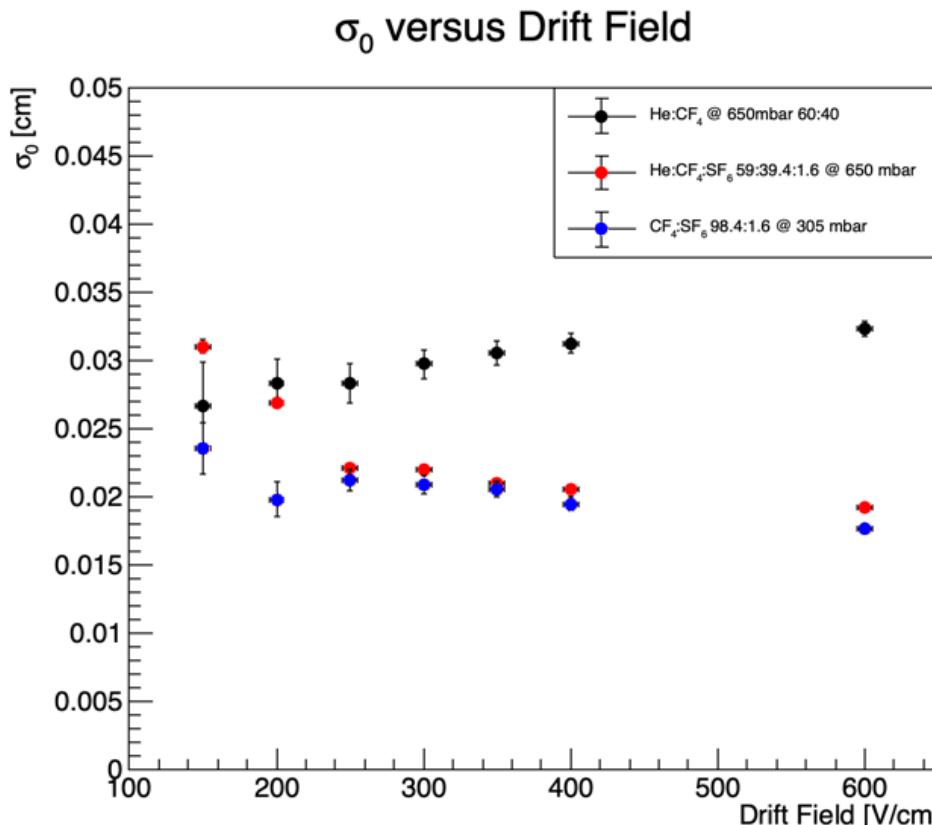
Light yield vs field vs distance



Diffusion vs field vs distance



Sigma_0 and delta vs field



🎙 He:CF₄ $kT_{\text{eff}}/e = 0.0546 \pm 0.0006$ V

🎙 CF₄:SF₆ $kT_{\text{eff}}/e = 0.0204 \pm 0.0003$ V

🎙 He:CF₄:SF₆ $kT_{\text{eff}}/e = 0.0070 \pm 0.0001$ V

- Measured diffusion of $\text{CF}_4:\text{SF}_6$ near the thermal limit and larger than $\text{He}:\text{CF}_4:\text{SF}_6$
- Measured light yield of $\text{CF}_4:\text{SF}_6$ smaller than $\text{He}:\text{CF}_4:\text{SF}_6$
- i.e. diffusion do not depend on light yield
- σ_0 consistent among NID