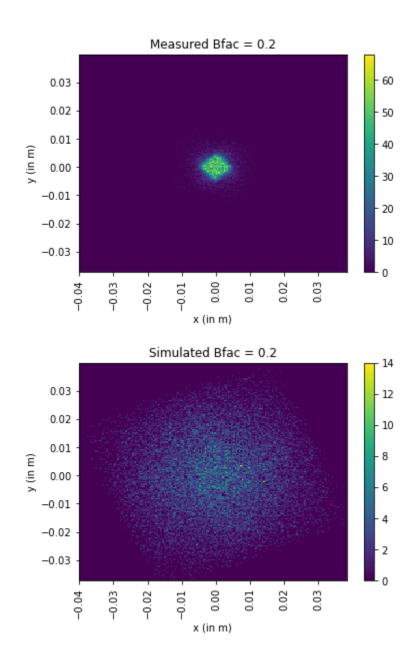
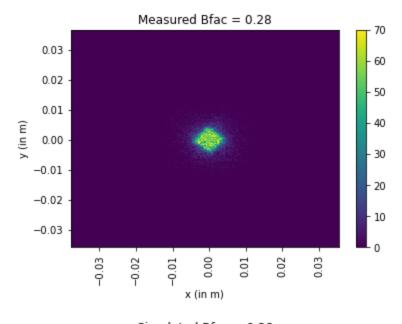
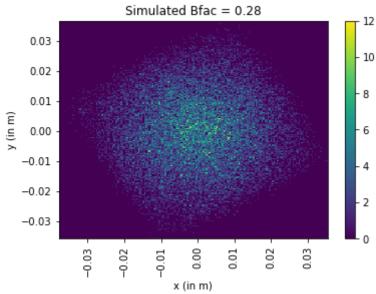
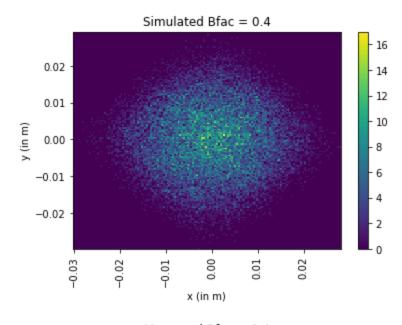
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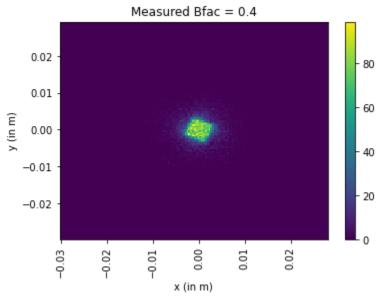
1st Iteration

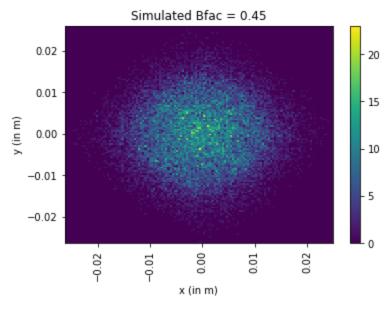


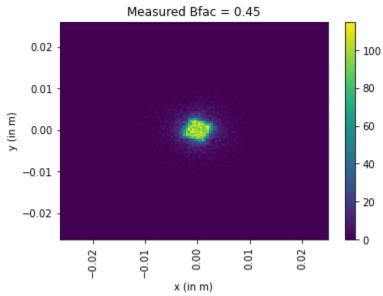


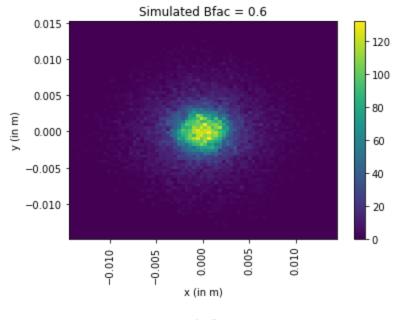


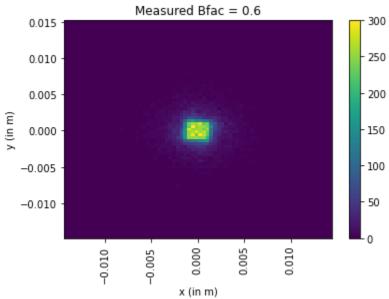


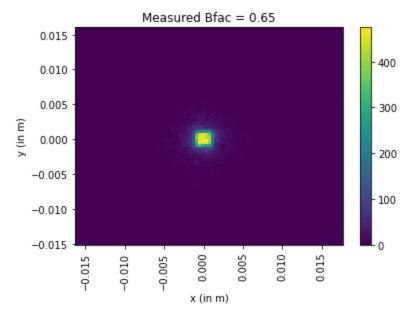


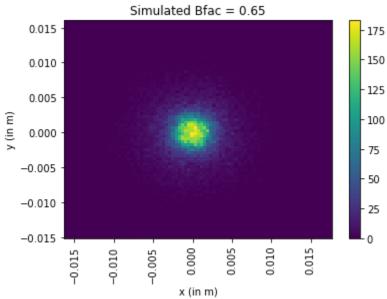


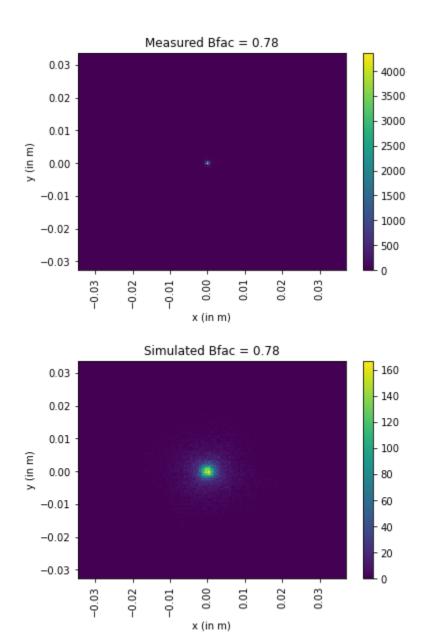




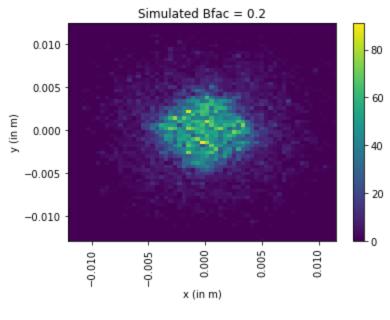


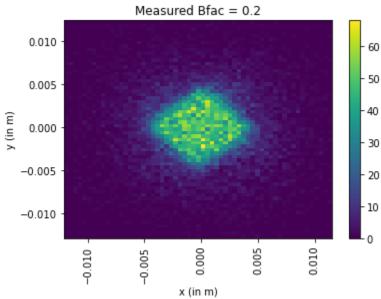


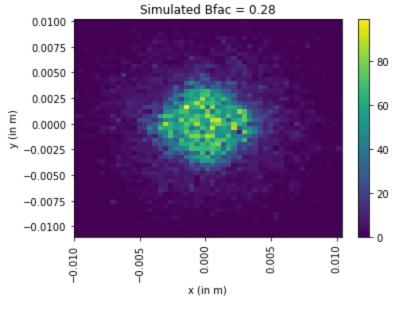


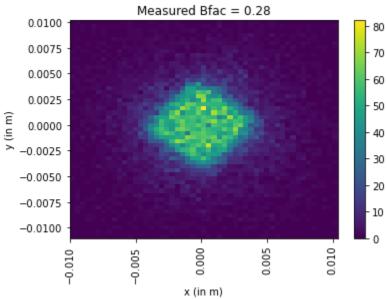


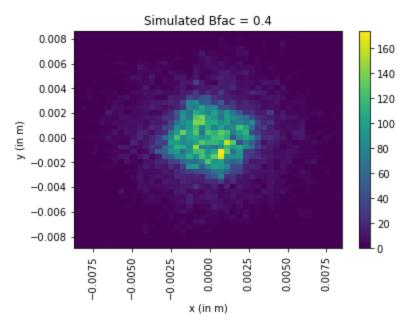
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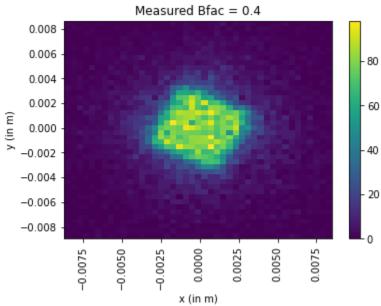


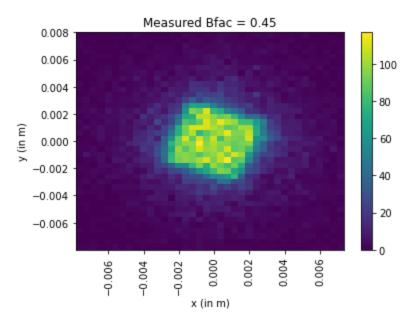


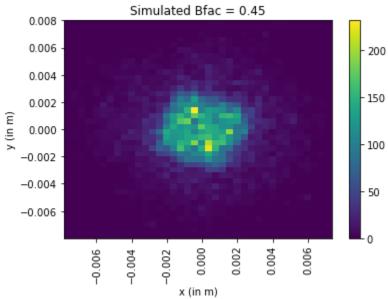


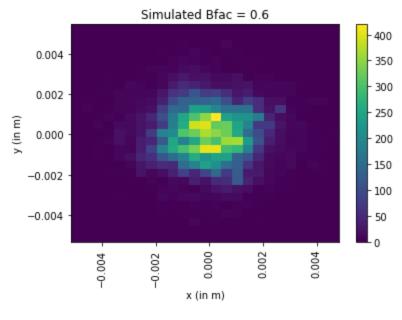


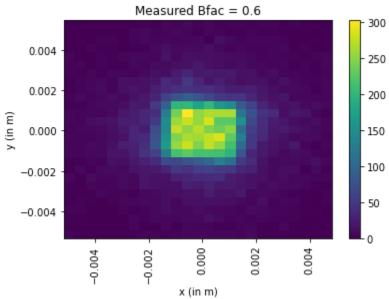


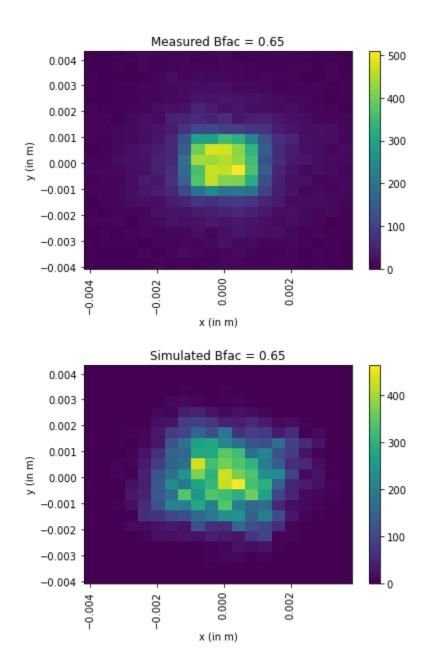




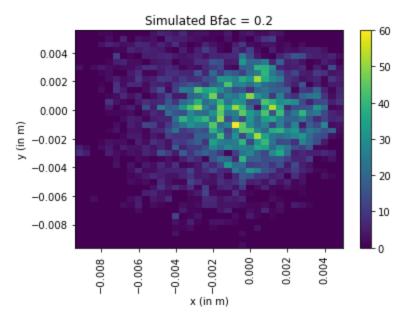


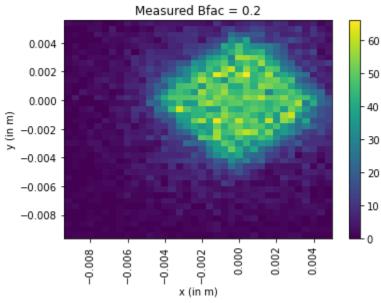


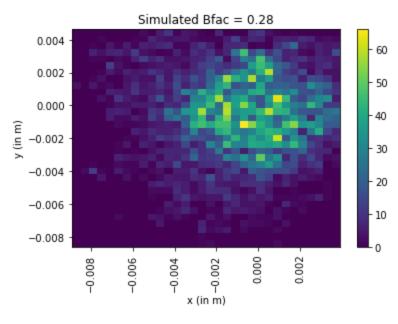


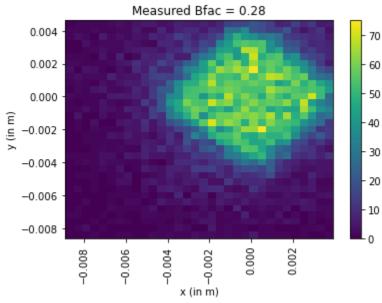


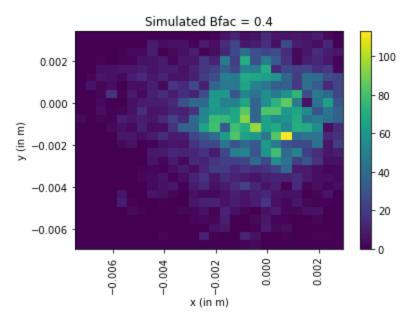
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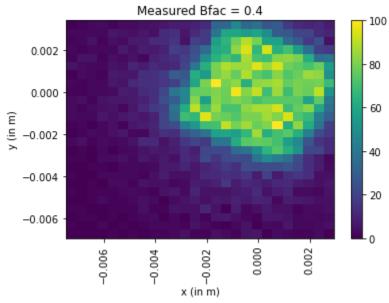


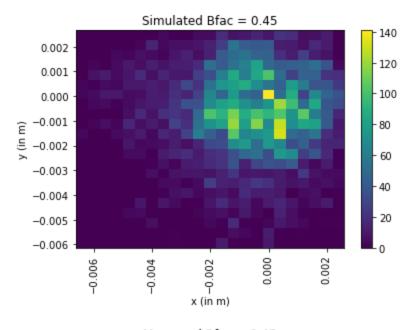


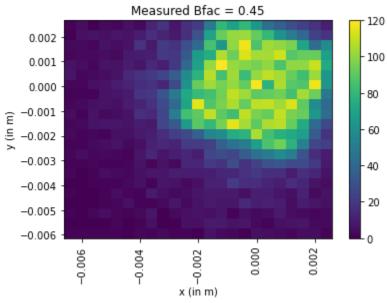


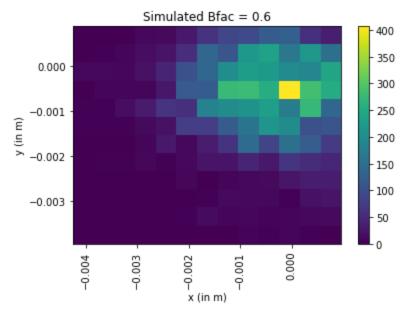


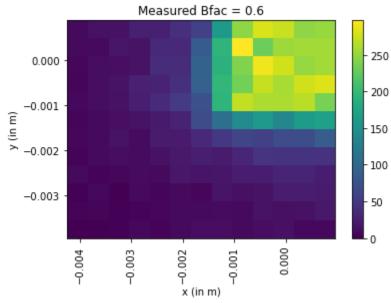


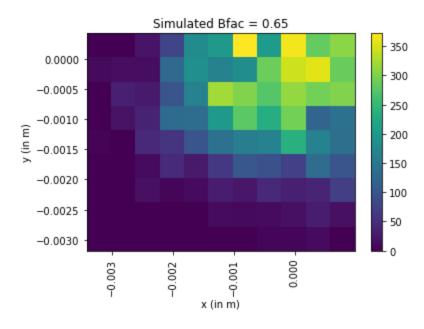


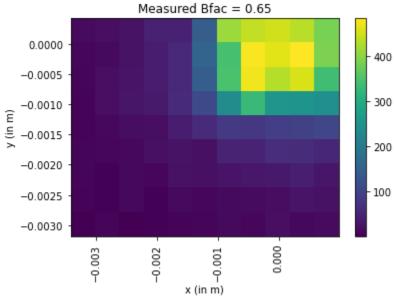


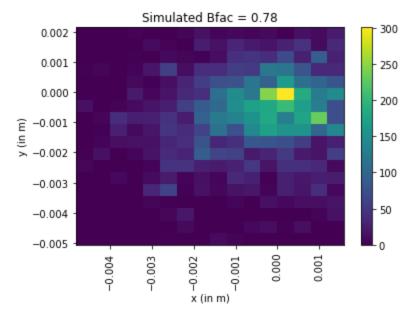


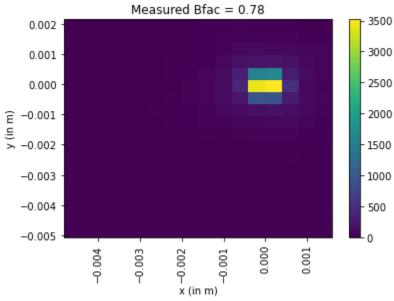




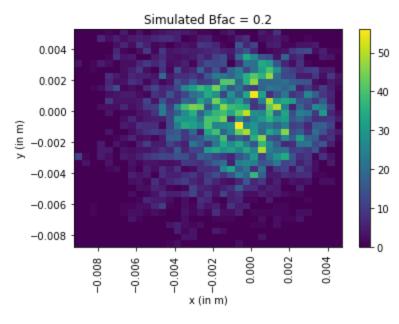


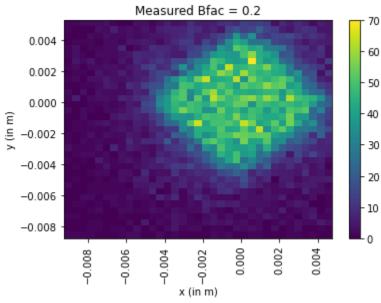


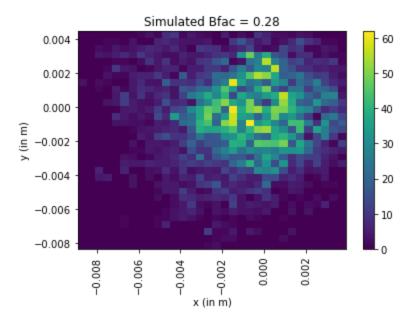


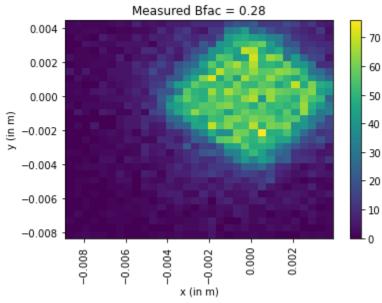


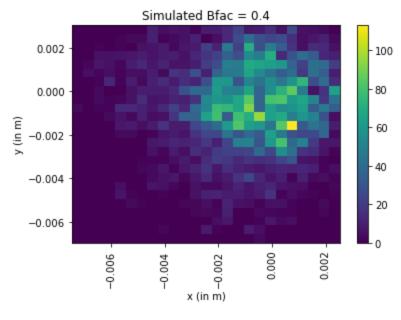
4th Iteration

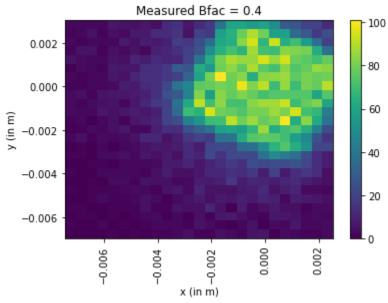


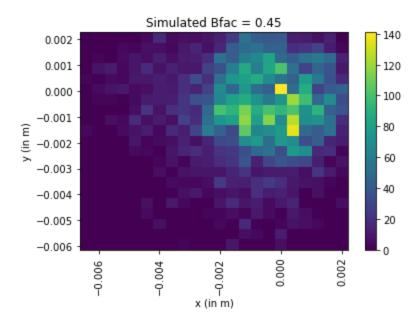


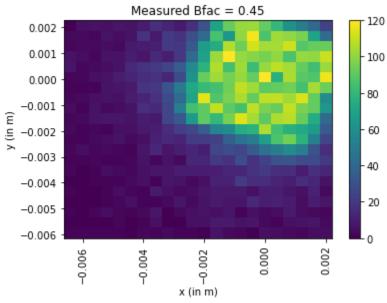


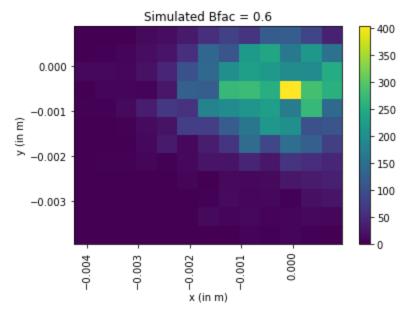


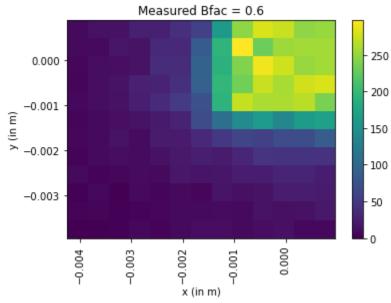


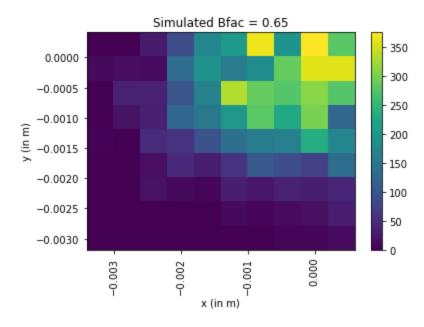


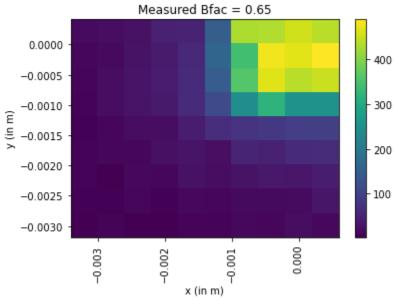


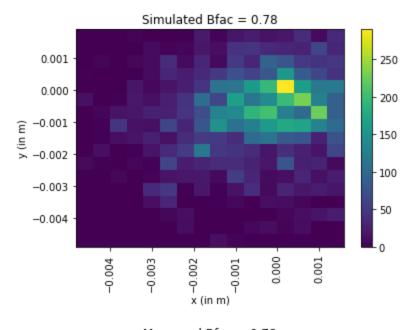


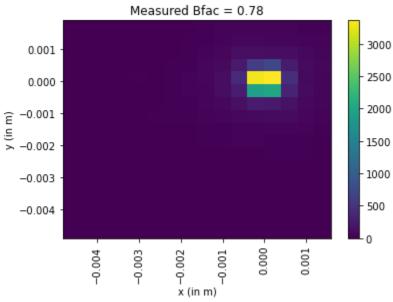




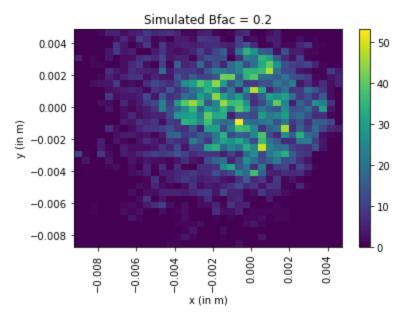


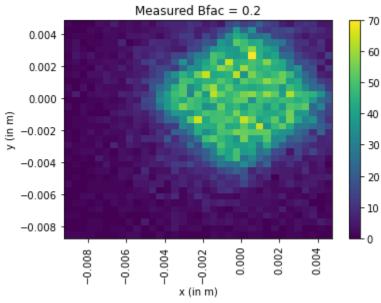


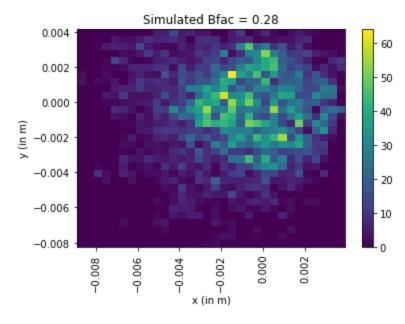


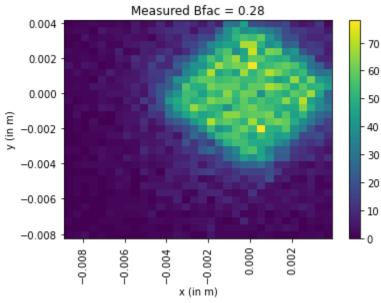


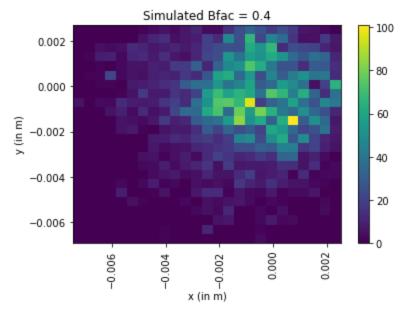
5th Iteration

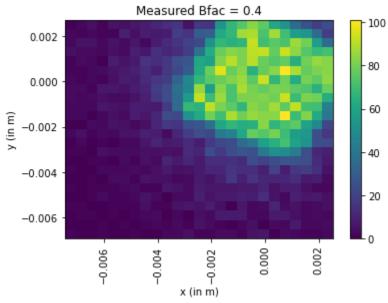


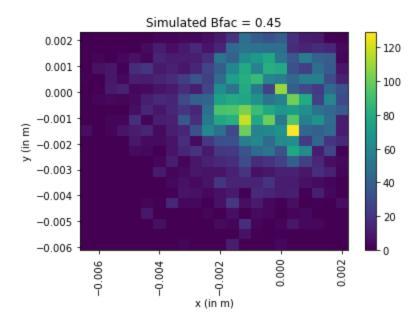


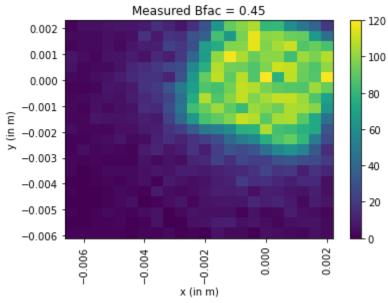


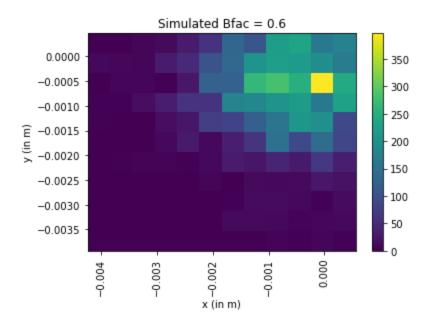


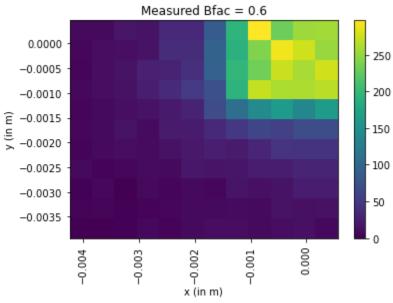


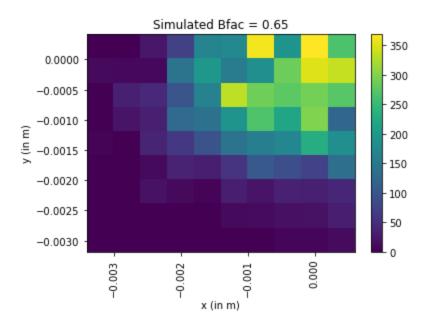


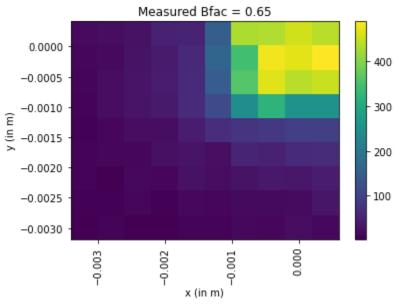


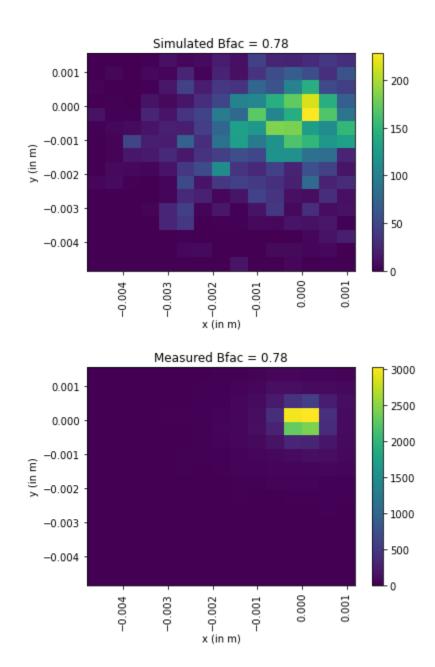




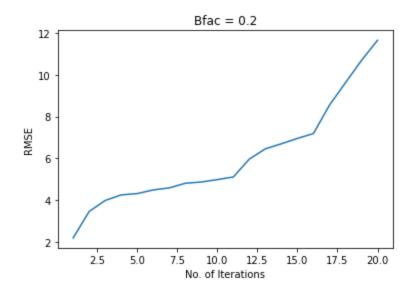


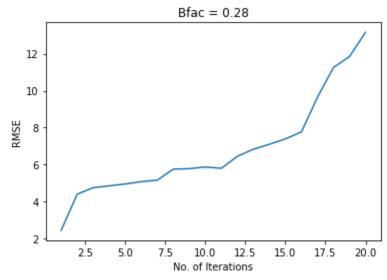


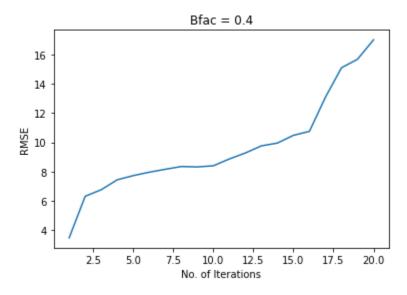


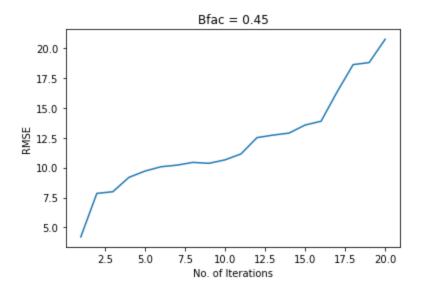


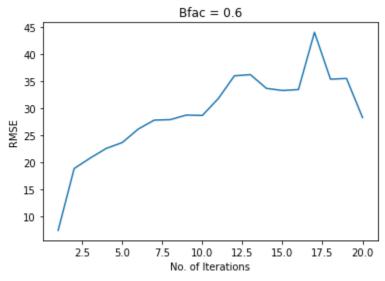
Plots of RMSE vs No. of Iterations

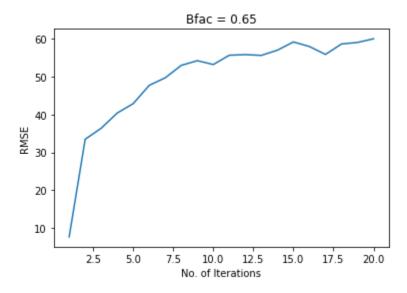


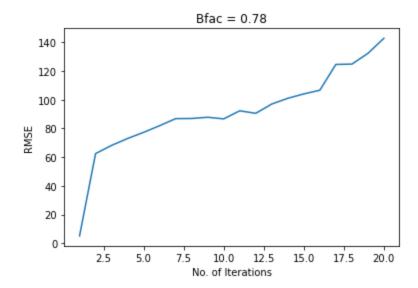












Problems

- 1. RMSE is continuing to increase for all Bfac profiles as we can see from the graphs.
- 2. The shape of measured and simulated profiles seems to converge for the initial iterations but RMSE keeps on increasing, which I believe is due to the different intensities of the bins.
- 3. Couldn't understand and implement the 2nd moments of the distribution.
- 4. No saturation was observed in the RMSE values even after 20 iterations.
- 5. Even after doing some trial and error with different weight reductions, the RMSE could not be reduced.