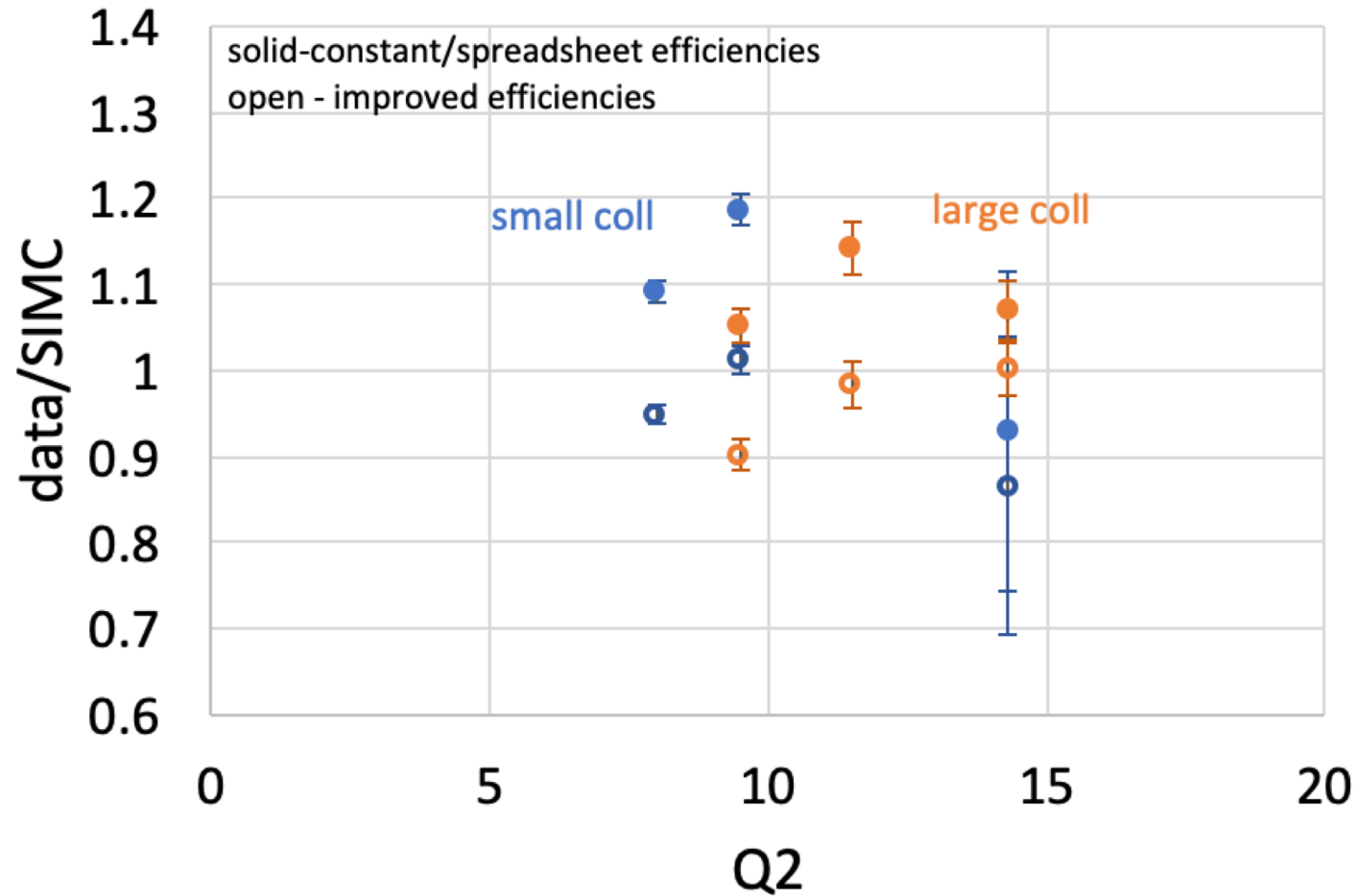


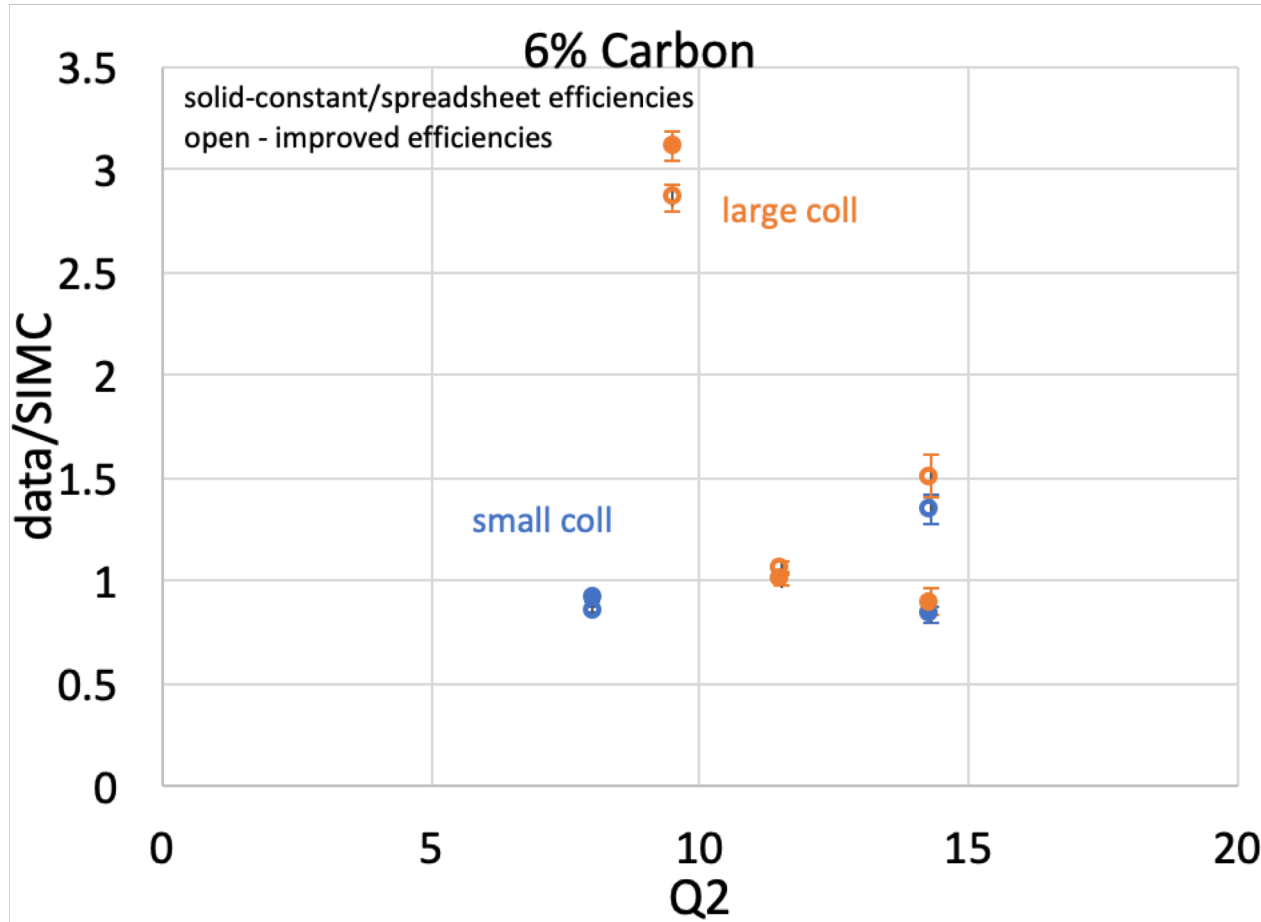
Preliminary look at Pass 1 hydrogen and even some carbon

18 Dec 2018

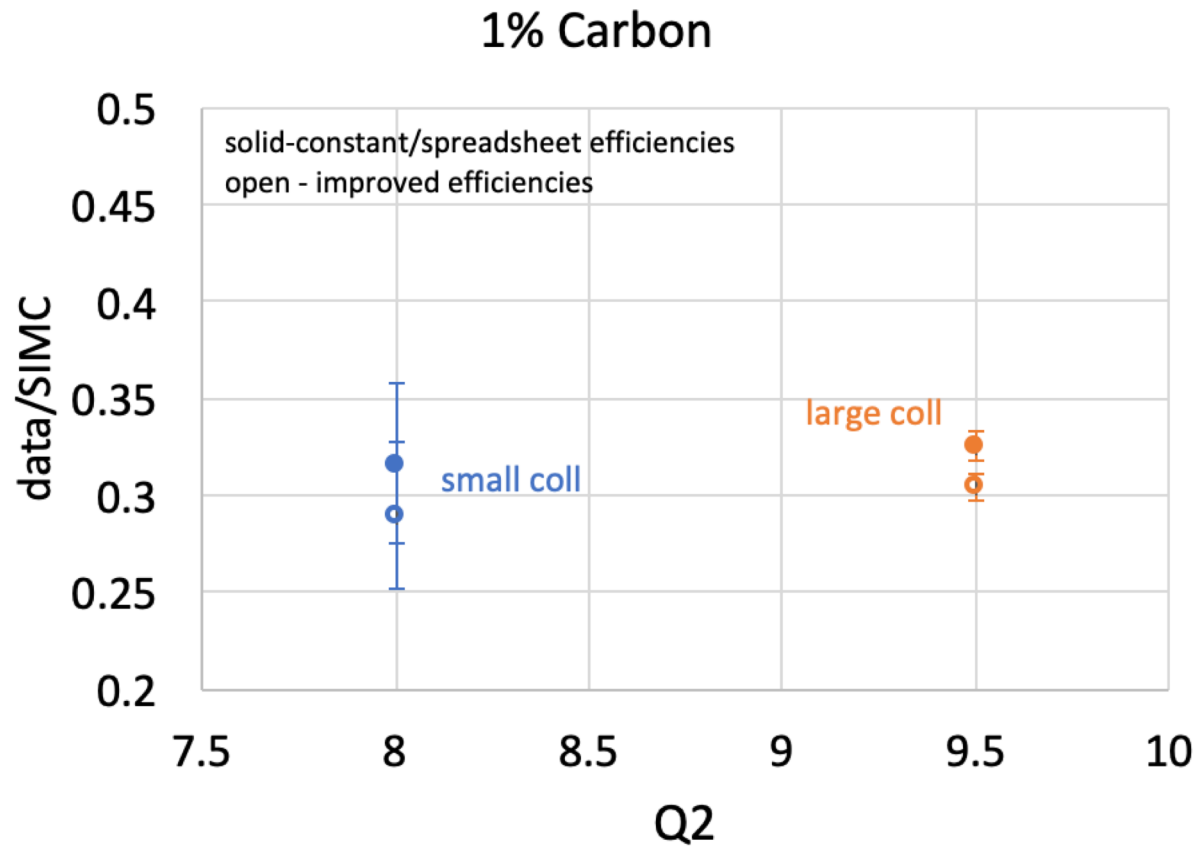
Hydrogen (coin)



- John's efficiencies (open) overall look better
- Q2=8 point is still not great
- Q2=9.5 point: used same efficiencies for small/large collimator, seems OK for small collimator but maybe wrong for large?
- Q2=11.5 looks good
- Q2=14.3 looks good for large. Used same efficiency for small and large. Even with large statistical uncertainties in small collimator, it's probably worthwhile to calculate efficiencies for that run and see if it improves.



- I wasn't worried so much about the magnitude, as I just wanted to see what the general trend is and how the efficiencies affect the ratio
- No physics corrections here other than efficiencies
- Q2=9.5 looks very weird...since there is one carbon efficiency at this setting, is this due to using efficiencies associated with the 1.5% C?
- Need to know which target the efficiency corrections were done at Q2=8 (used the same for both 6% and 1.5% C).



- These seem somewhat more consistent with each other (no funny business here at Q2=9.5).
- Need to know which target the efficiency corrections were done at Q2=8 (used the same for both 6% and 1.5% C).
- Are the relative differences between the 6% and 1.5% looking correct? About 70% different...