# NC $\pi^0$ Update

Colin Anderson

Yale

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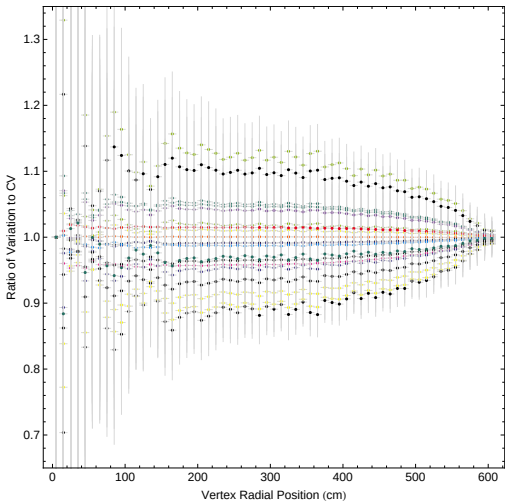
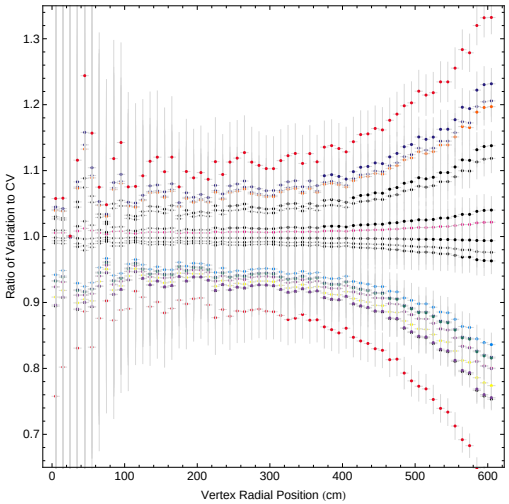
# Radial Dependence of Cross Section Errors

- Found that one subevent pre cuts were hard coded into `MultisimMatrix`
- Turned off nhit cuts in `MultisimMatrix` and `PhysicsFunctions`
- Then turned off one subevent cut as well

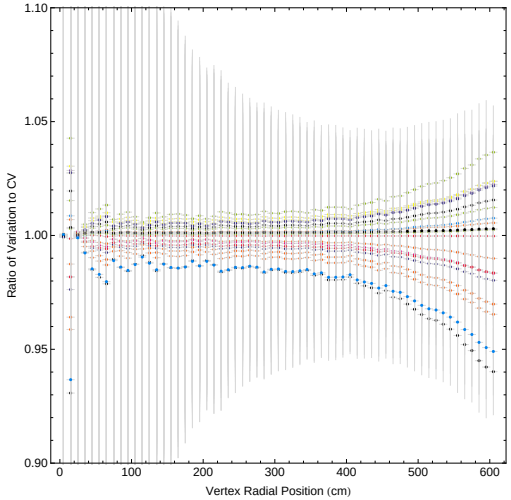
# $\bar{\nu}$ Effective Events all Constraints



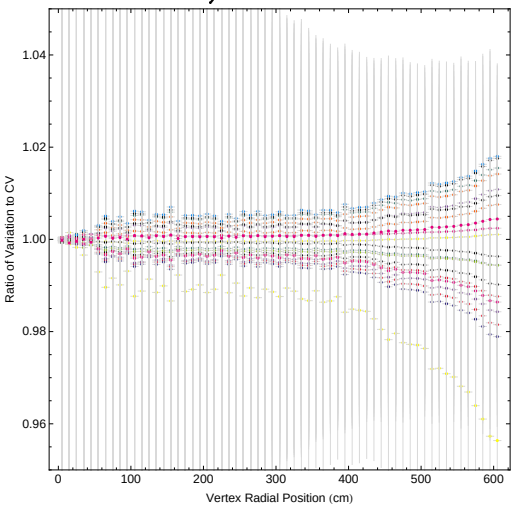

coh, Res Pi0



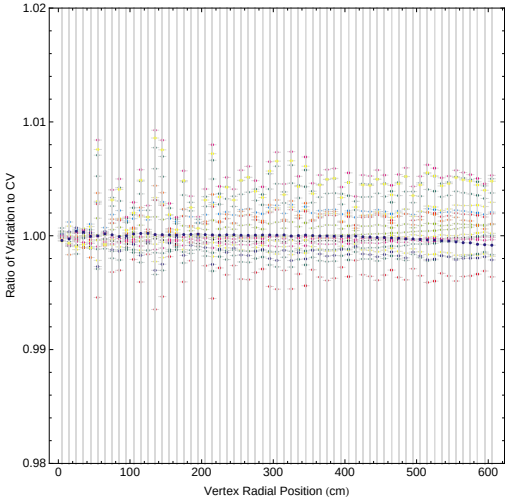

M_A 1pi




Nubar

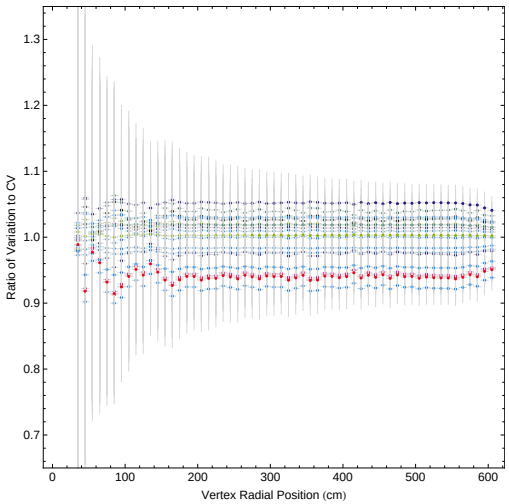



M_A Coh

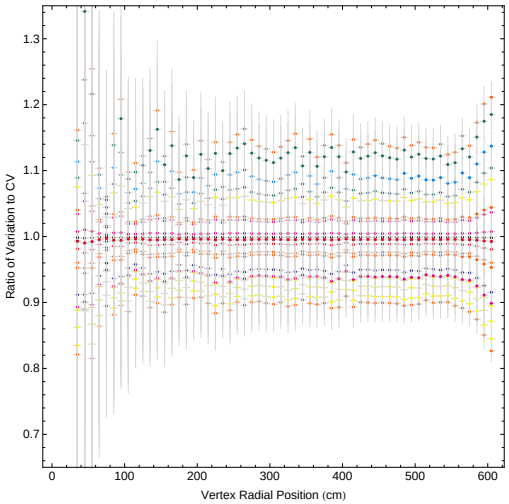



M_A QE, M_A QE H, EloSF

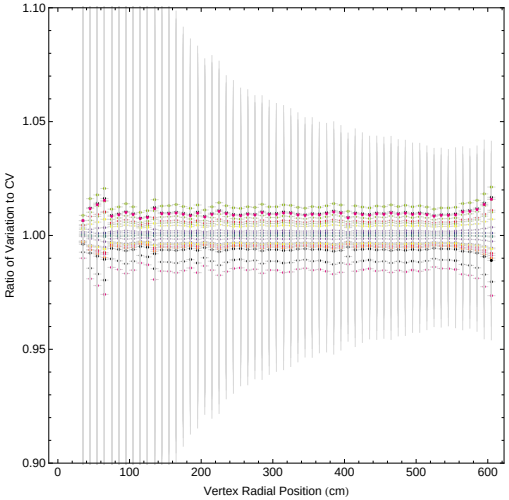
# $\bar{\nu}$ Effective Events no nhit Contraints




coh, Res Pi0




M_A 1pi

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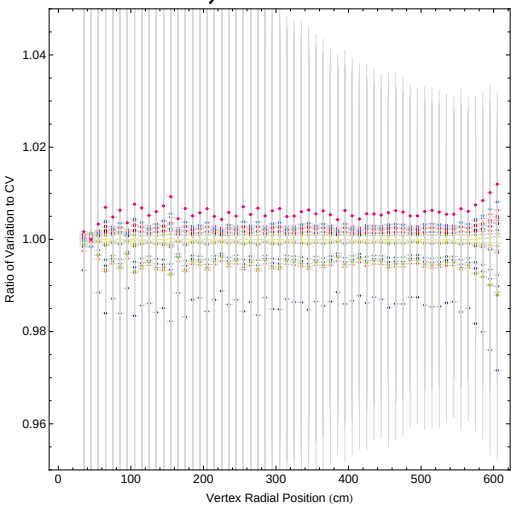
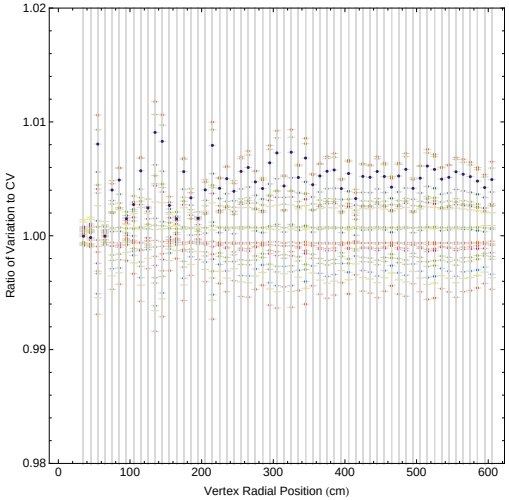
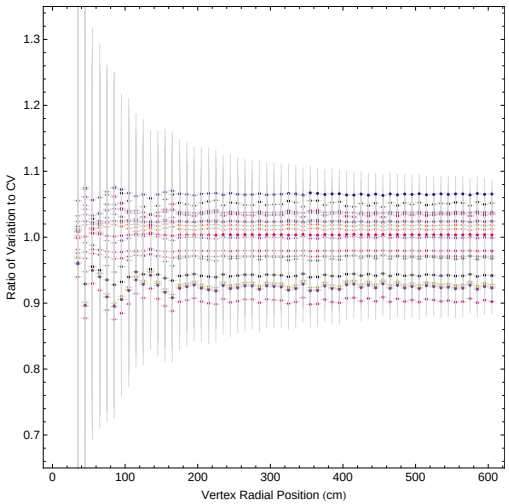



M_A Coh

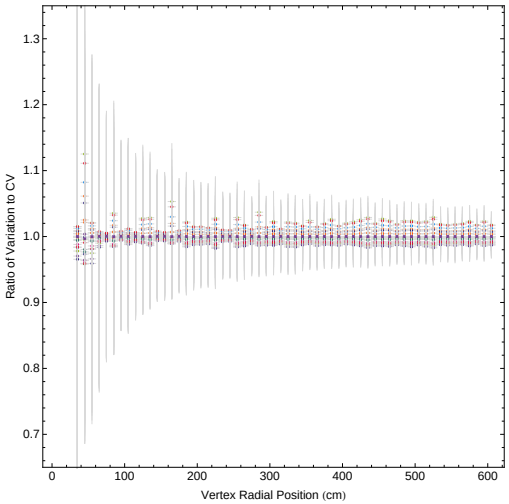



M_A QE, M_A QE H, EloSF

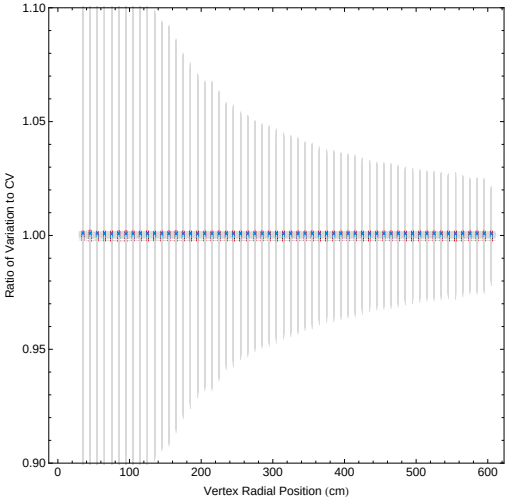
# $\bar{\nu}$ Effective Events no Contraints



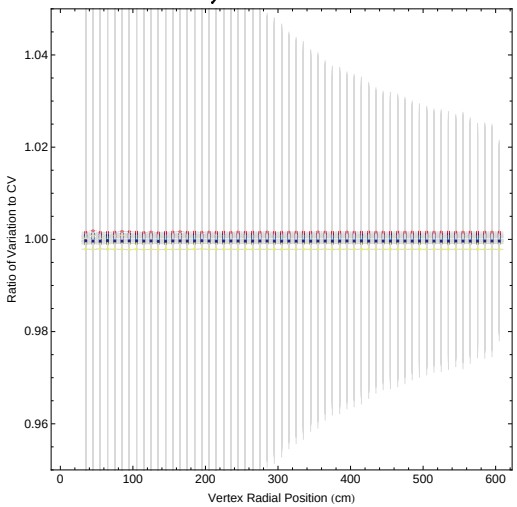

coh, Res Pi0



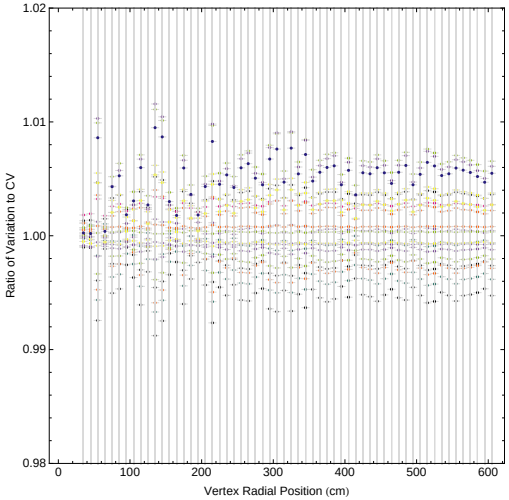

M_A 1pi




Nubar




M_A Coh




M_A QE, M_A QE H, EloSF

# To Do

- Now confident in the results of the cross section errors, will start turning the crank on reproducing all the measurements