

# Analysis Timeline and Update

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# Timeline- What I have

- Have asymmetries for all 5T settings which include data from both HRS
  - Transverse settings have out-of-plane correction applied. Also have systematic for this.
- Have radiated polarized cross-sections using model dilution and model XS
  - Use PF values from Toby's slides for model dilution but can easily switch in real dilution
  - Generate radiated Bosted model for proton for model XS (include inelastic and tail)
  - Use (central) angle fit to data for angle vs. nu in all model calculations
- Have polarized elastic tails for each polarized cross-section
  - Use radlengths I previously calculated
- Have smoothed polarized cross-sections at each setting
- Have all RC codes modified to deal with changing scattering angle

# Timeline- To Do

- To Do: 1<sup>st</sup> pass of inelastic RC using RADCOR for external and internal
  - Hopefully have done by next meeting
  - Can also apply a systematic for internal contribution from POLRAD
- To Do: Inelastic RC using RADCOR and POLRAD
  - 1<sup>st</sup>/2<sup>nd</sup> week of February?
- To Do: Systematic study of RC procedure
  - Finish by end of February/early March?
  - Includes elastic tail and inelastic RC
  - A lot should carry over from the saGDH study I already did (kinematics are similar)
  - Hopefully polarized systematics are mostly going to be rolling back assumptions made in RADCOR but I still need to look into this
- To Do: Graduate by the end of this summer. Hopefully earlier? June?
  - Have to write up dilution/PF analysis study and then results/conclusion for thesis. Everything else is in draft form already.