Full Detector Simulation samples

o Data samples for DVCS and TCS have been produced with EpIC

- Beam energies (GeV): 18x275, 10x100, 5x41 - 10M events / each
- No radiative effects yet
- DVCS
    - GK model - KM20 will follow
    - Kinematical acceptance cuts:
        - $10^{-4} < x < 0.6$ (note these are currently hard limits in EpIC's CFFs tables, extend to lower x?)
        - $1 < Q^2 < 100$ GeV^2
        - $0.01 < y < 0.95$
        - $0.01 < |t| < 1.6$ GeV^2
- TCS (by Kayleigh and Daria)
    - Kinematical acceptance cuts:
        - $0 < Q^2 < 0.15$ GeV^2
        - $0.01 < y < 0.95$
        - $0.01 < |t| < 1$ GeV^2
        - $2 < Q^{2'} < 10$ GeV^2

➢ Can be used for impact studies. To be decided: which energy we use first? Format of mock data? Binning...