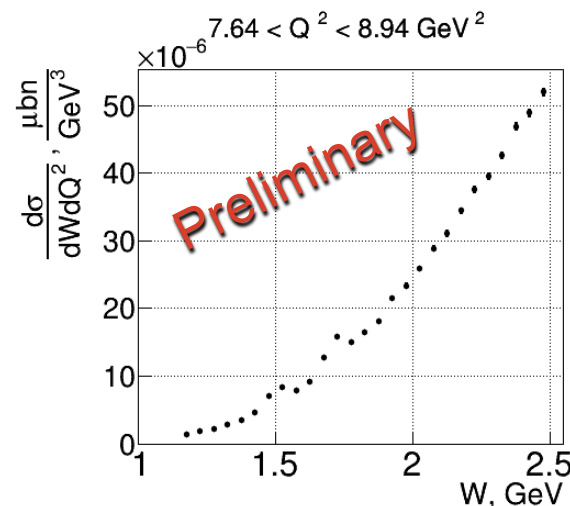
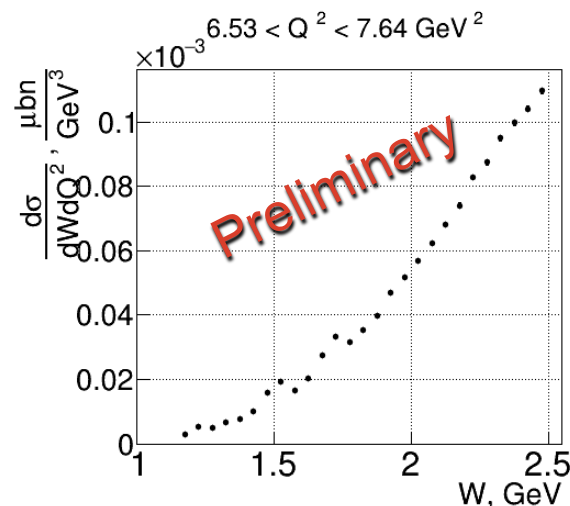
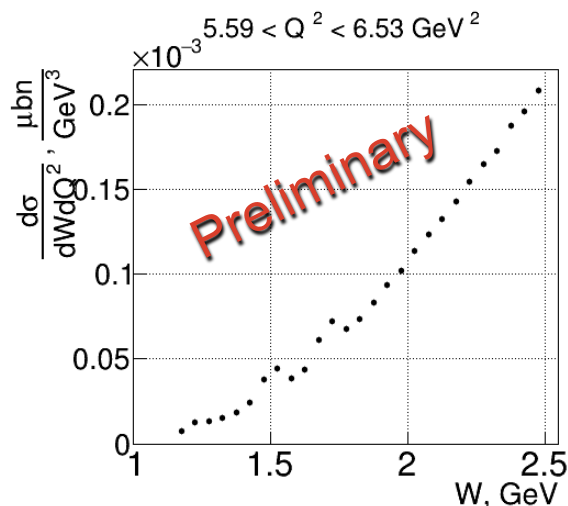
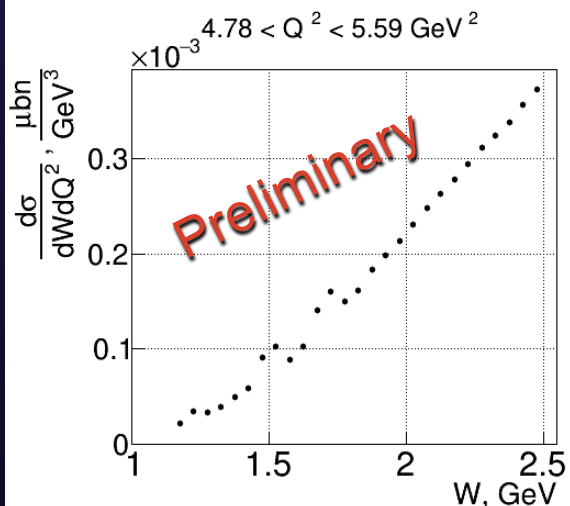
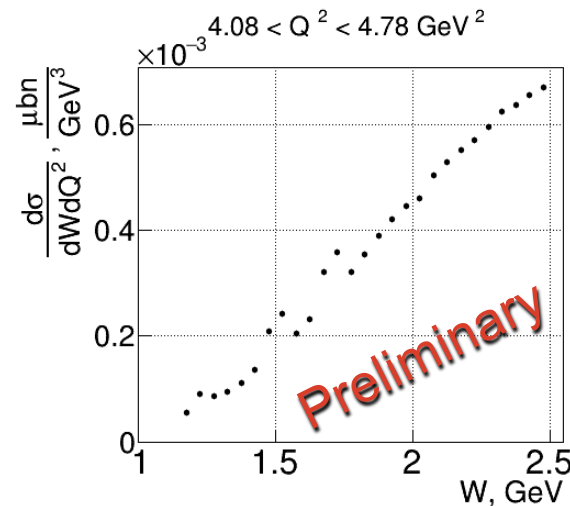
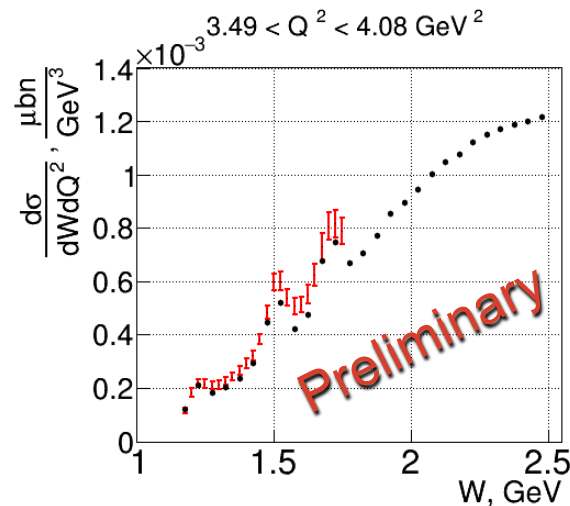
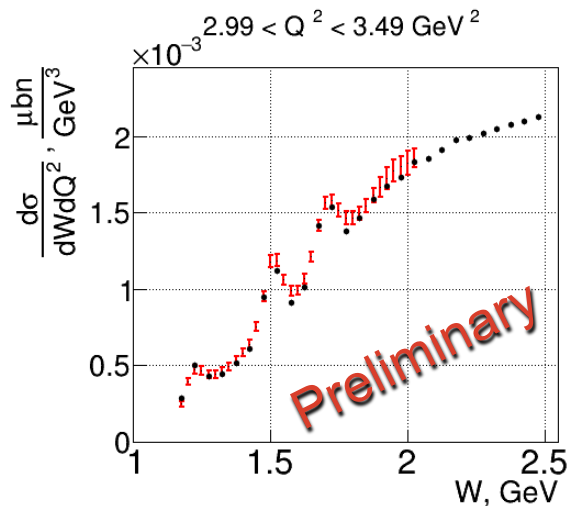
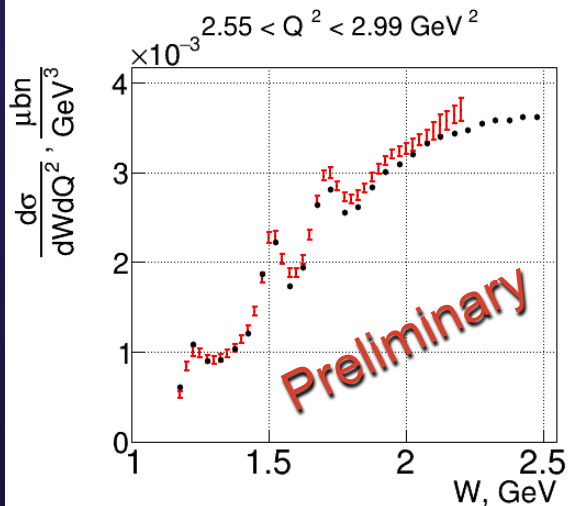


- **Black** - preliminary cross sections
- **Red** – CLAS data (after interpolation into grid of our experiment), Phys. Rev. D67, 092001 (2003)



- The inclusive $(e,e'X)$ cross sections/structure functions will become available from the CLAS12 in the near-term future. The measurements covers the resonance region of $W < 2.5$ GeV and the range of $2.5 < Q^2 < 9.0$ GeV²
- Almost 4π acceptance of the CLAS12 detector offers a unique opportunity to obtain $(e,e'X)$ cross sections/structure functions within a broad range of W from pion threshold to $W = 2.5$ GeV in any given bin of Q^2 . For the first time, $(e,e'X)$ observables will become available within so broad W -coverage at $Q^2 > 4.0$ GeV²
- The truncated within the resonance region moments of inclusive structure functions will be obtained by direct integration of the experimental data and will become available in Q^2 range from 2.5 GeV² to 9.0 GeV²
- What are the prospects of using this novel information on Q^2 evolution of the inclusive structure function moments within a broad Q^2 -range 2.5-9.0 GeV² in order to constrain gluon mass function and to shed light on the role of gluons in the evolution of nucleon PDF at large x within the resonance excitation region ?

