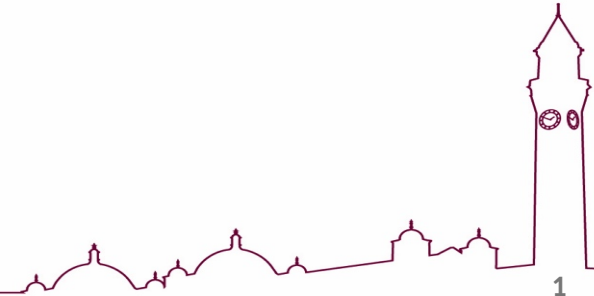


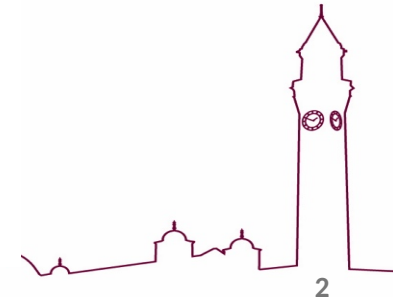
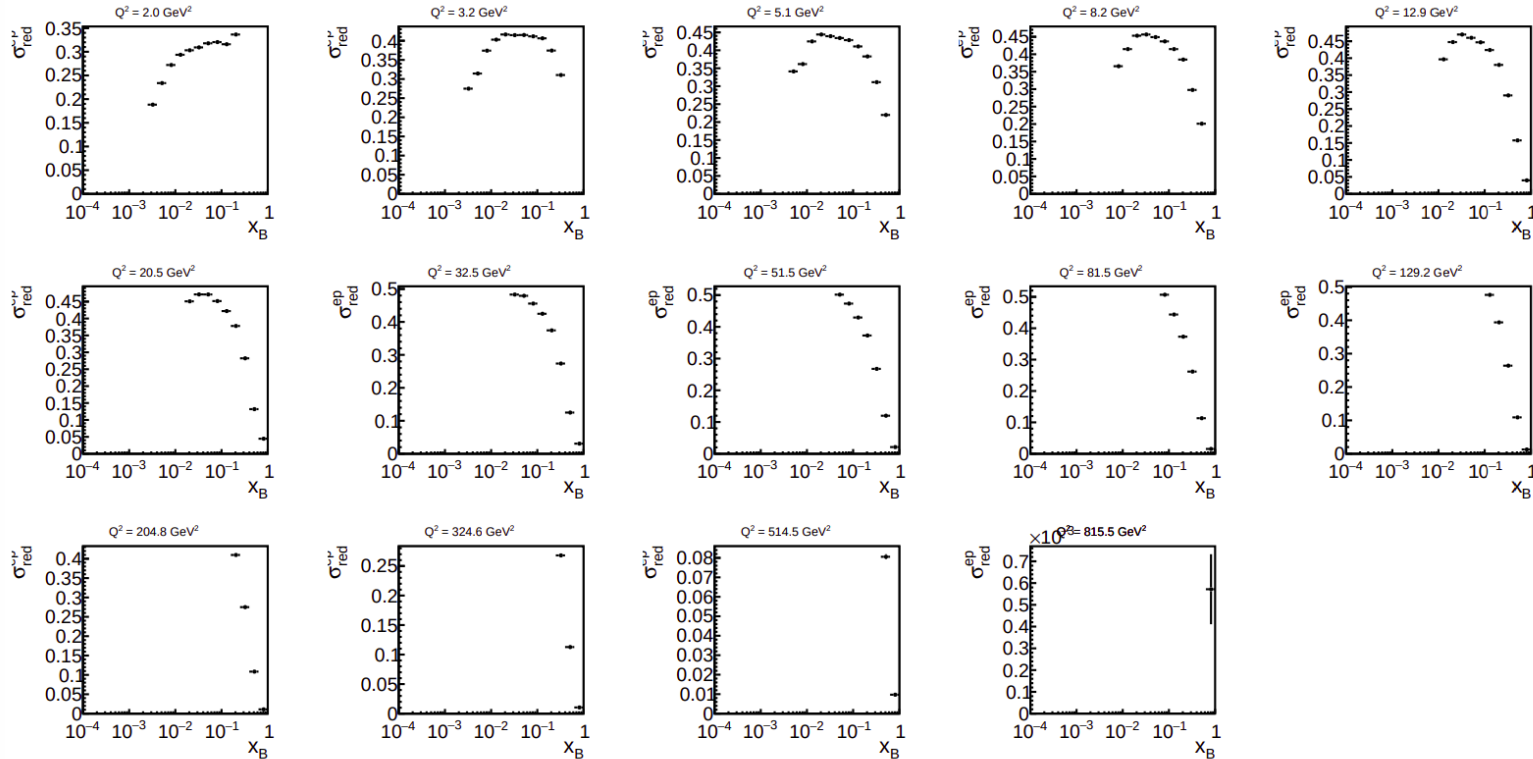
Inclusive PWG Update

- **Most recent Inclusive PWG meeting held Jan 13th (Joint with EW/BSM)**
- **Ongoing efforts**
 - NC/CC reduced cross sections (ep)
 - Double Spin Asymmetries (p and He3)
 - Electron ID
 - Kinematic Resolutions
- **Comment:**
 - Still need to look into e^- on heavy A (volunteer needed)



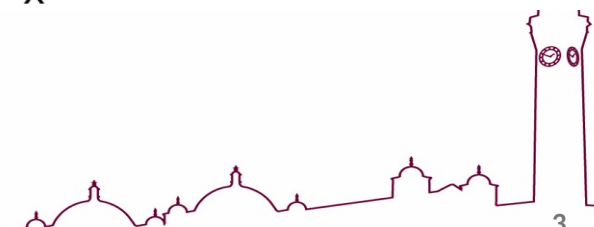
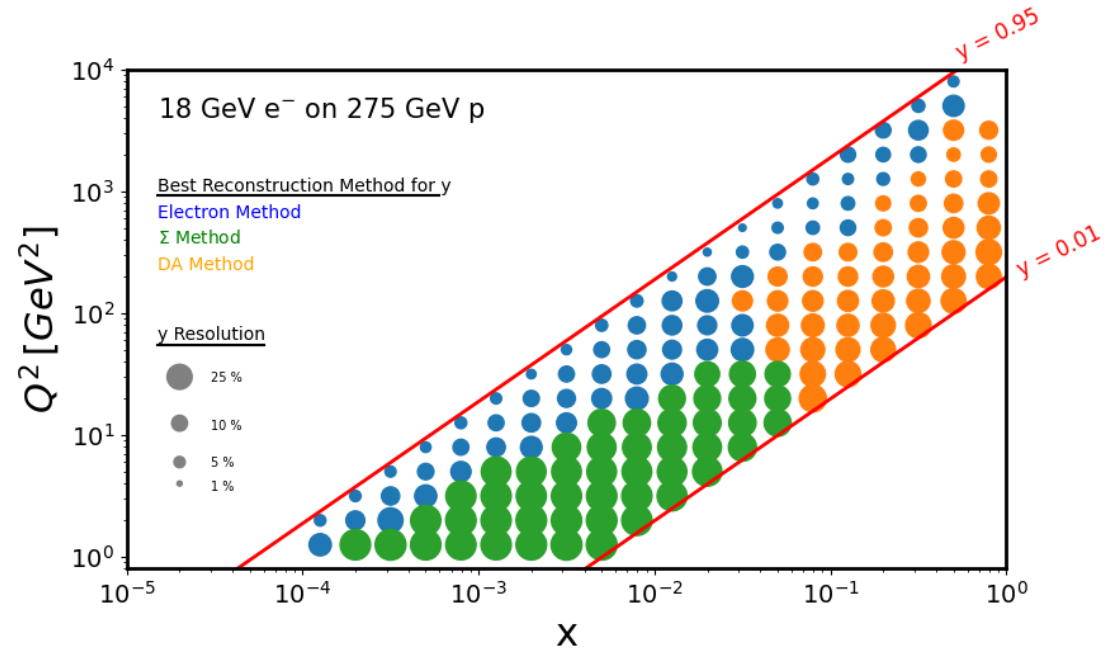
Most Recent NC Cross Sections

- Fully Simulated NC Reduced Cross sections obtained
 - Note: Realistic eID



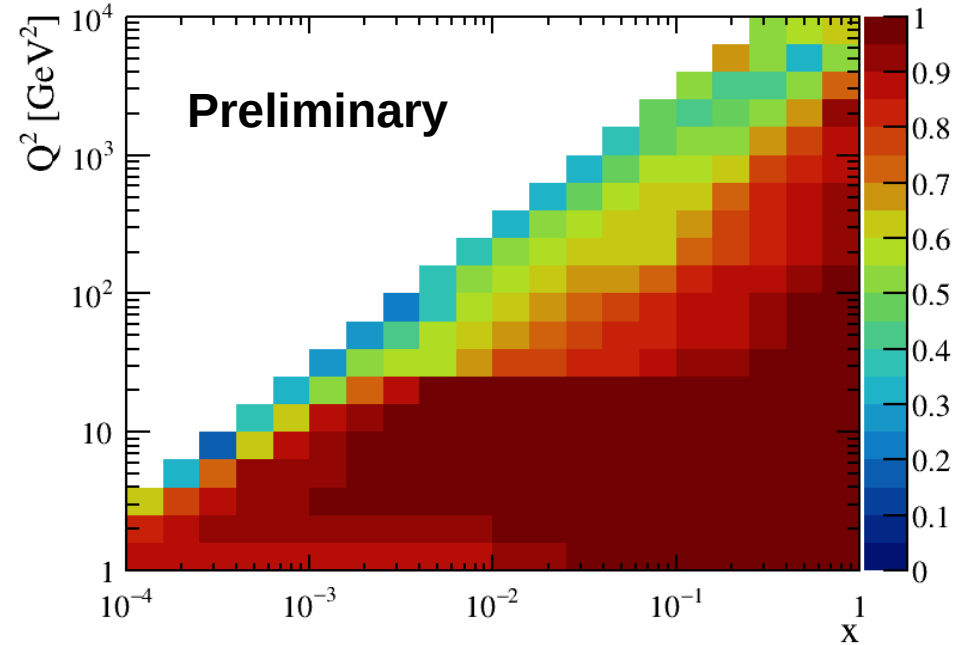
Most Recent Kinematic Resolutions

- **Resolutions on kinematic variables (24.10.0 campaign files)**
 - Color of point indicates best y reconstruction method
 - Size of point indicates y resolution



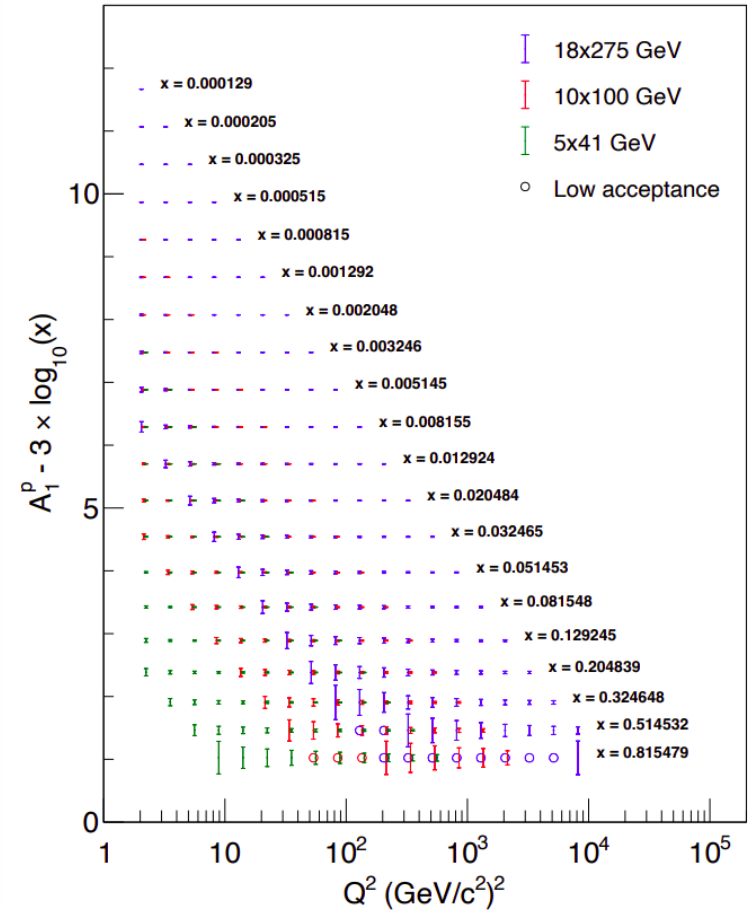
Electron Finder Efficiency Update

- **Electron finder efficiency appears to drop outside of EEEMCAL**
- Investigation required → Different E/p cut for different calorimeters?



Most Recent A_1^p plot

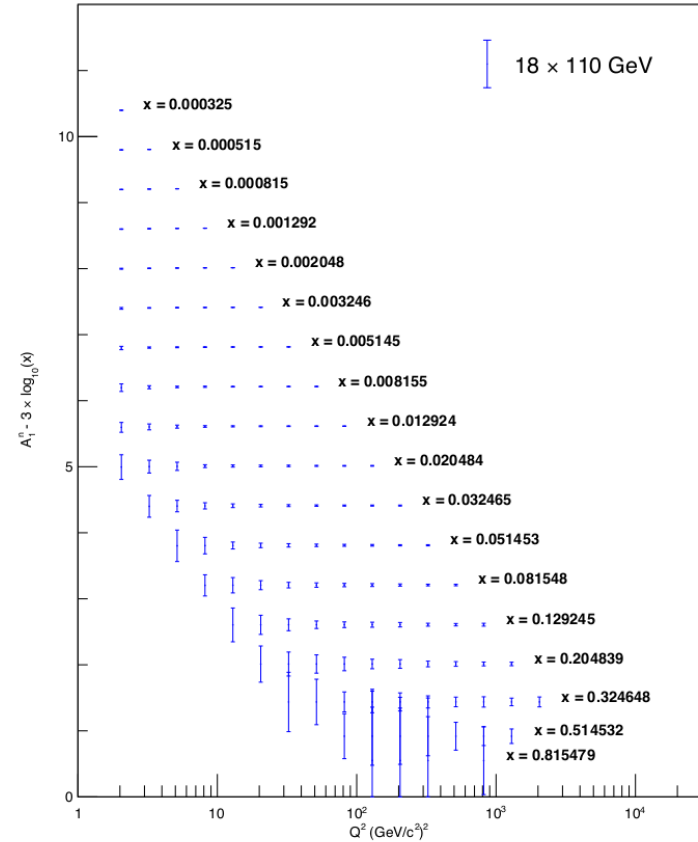
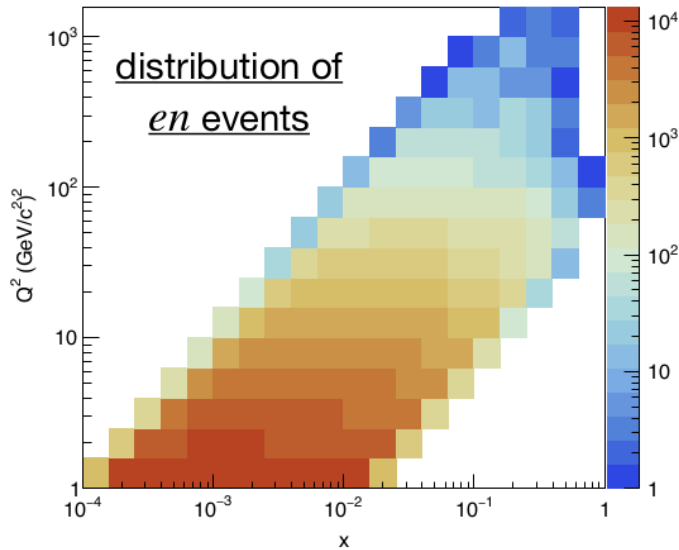
- Fully simulated A_1^p determination
 - 3 beam configurations
 - Realistic eID



Win Lin (SBU)

Update to A_1^n studies

- Fully simulated A_1^n determination using $e+^3\text{He}$ events (BeAGLE)
 - Realistic eID
- To be shown in first PWG meeting after Collaboration meeting



Win Lin (SBU)

Data Inputs and Requirements for Physics Analysis

- **Initial thoughts (will circulate question to analyzers and update if needed)**
- **Inclusive PWG Data Inputs are simple:**
 - Reconstructed NC and CC Events (ep,eA)
 - Luminosity (would be nice to have record of luminosity included with output files)
- **Requirements:**
 - Factor of 10 more statistics than data feels reasonable – but is this a hard limit?

