

Up-to chat

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Hampton U. & Jefferson Lab

HU nuclear physics meeting
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➔ Large- x PDF and structure functions

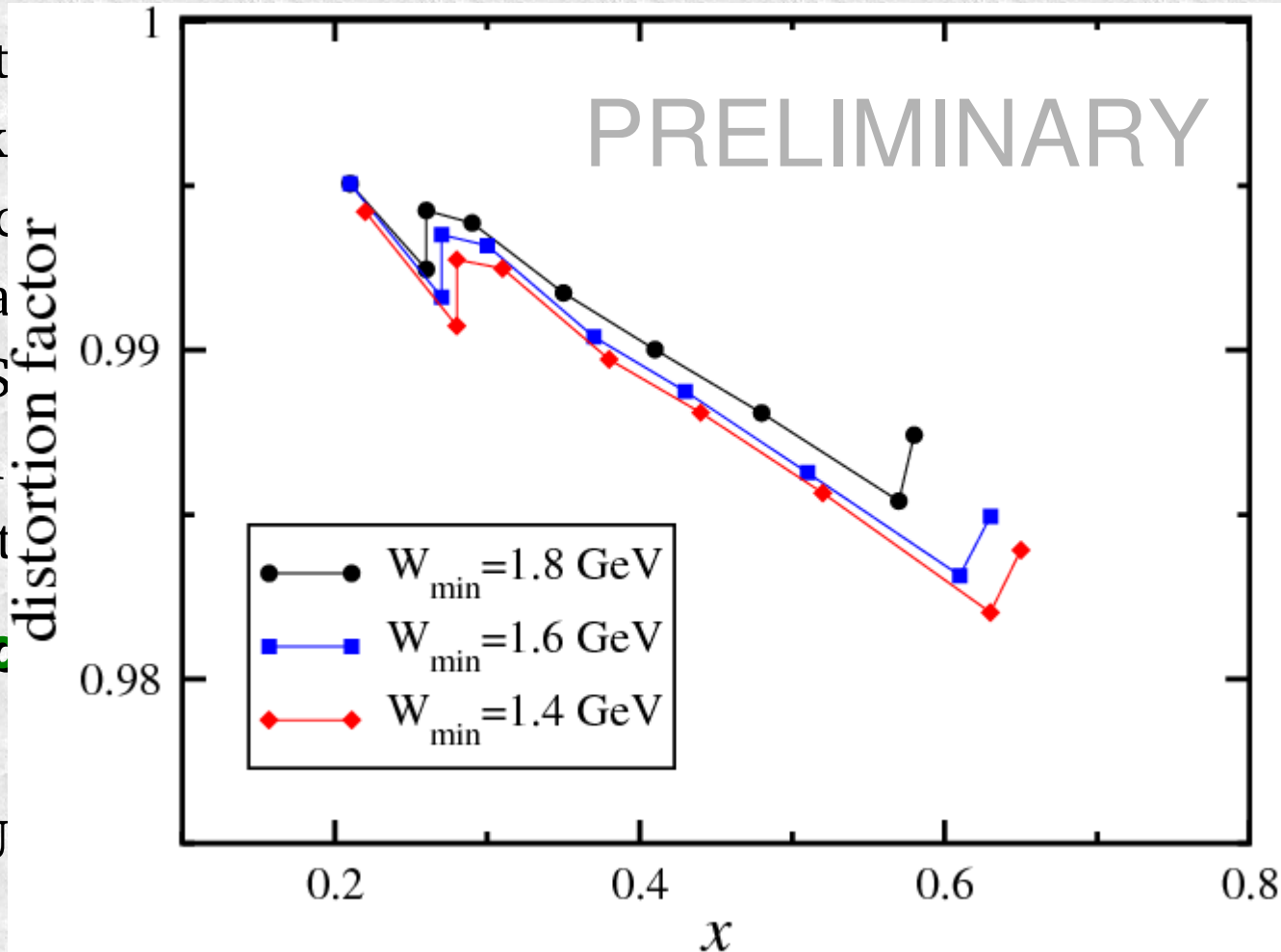
- ➔ d/u fits at large x
- ➔ Quark-hadron duality
- ➔ Mass corrections:
 - heavy quarks
 - DIS threshold (final state $\geq p + \pi$)
- ➔ Gluon moments
- ➔ Target Mass Corrections for PVDIS

➔ Nuclear corrections

- ➔ paper on “Collinear factorization in nuclear DIS”
- ➔ BONUS experiment: nuclear corrections $\sim 2\%$ [see plot next page]

Large-x PDF and structure functions

- d/u fit
- Quark
- Mass c
- \bullet hea
- \bullet DIS
- Gluon
- Target
- Nuclear c
- paper
- BONU



✦ EIC project

✦ Hadronization in nuclear media

- coordinator of the working group on “Parton propagation and fragmentation”
- Organizer of 1 session at Argonne's meeting 7-9 April
- Scientific coordinator of weeks 3-5 at INT workshop, Sep-Nov “Matter under extreme conditions”

✦ Inclusive structure functions

- Simulations of F2, FL – global fits with simulated data
- Optimal binning (statistics, exp. resolution)
- Saturation at EIC: deviations from DGLAP [\[see plot next page\]](#)

