

Closeout Discussion

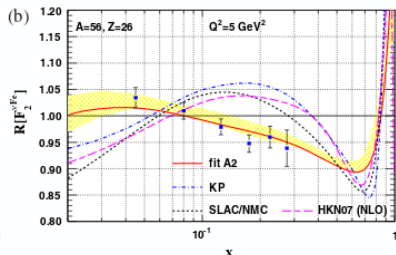
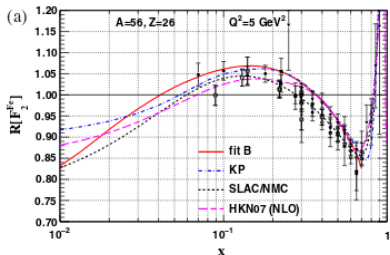
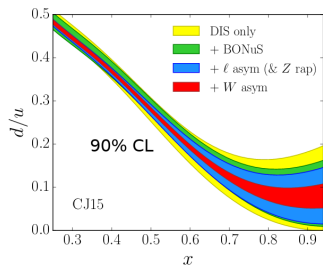
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April 20, 2018

- PDFs and EMC Effect
 - PDF Sets
 - Channels
 - Experiments
- Light Nuclear Formalism and Modeling
 - Deuteron decomposition, GPDs
 - Few body calculations
 - Mean field calculations
 - Lattice
- Dynamic Linking of Nucleons to Partons
 - SRCs
 - Tagged Spectator
 - Hadronization Systematics

- Quality of data
 - Corrections and assumptions!
 - Energy loss, hadronization systematics
- Deuterium, d/u issues
- Gluon constraints



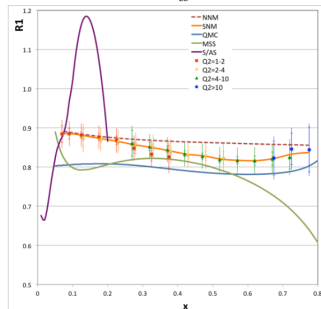
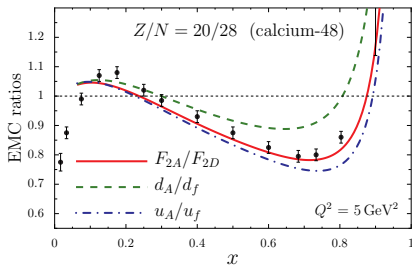
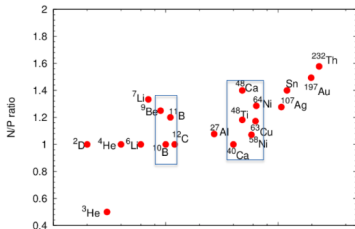
PDFs and EMC Effect

Channels

- A dependence
- Isovector observables
- Spin Observables
- $x > 1$
- Glue

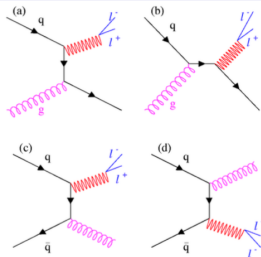
Experiments

- $I^- - A$
 - PVDIS
 - Polarized nuclei
- $\nu - A$
- $J/\psi, \phi - A$



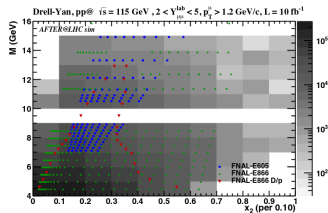
Experiments

- Drell Yan
 - New Experiments
 - Systematics!
 - p - A
 - Meson- A
 - A - p



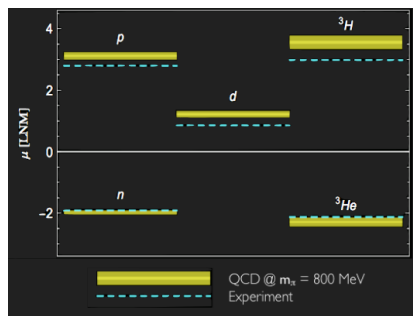
Nuclear effects from DY - tentative summary

	Shadowing	Antishadowing	EMC
Valence	Yes
Sea	Yes	No	No

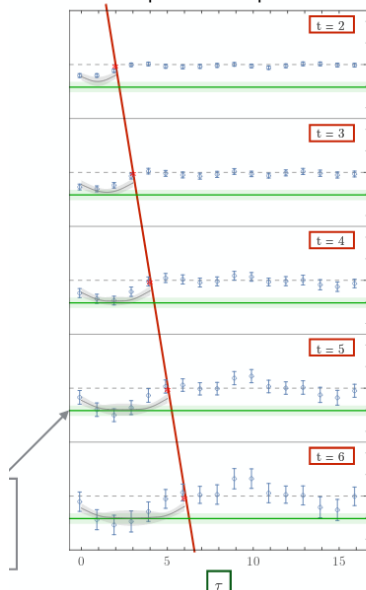


Nuclei on the Lattice

- Nuclear prospects
- Glue predictions

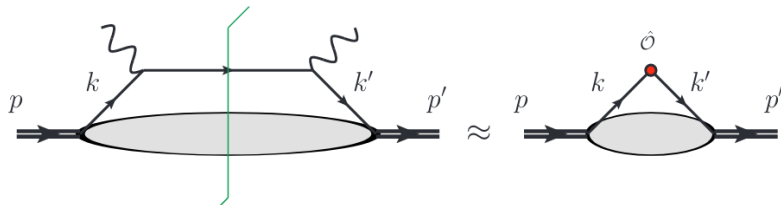
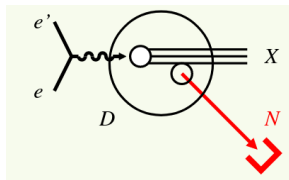


Ratio of 3pt and 2pt functions



Recent Formalism and Models

- Deuterium spin observables
- Off shell effects
- Determination of GPDs
 - Relation to EMT
 - Relation to observables
- $N \leq 4$ body calculations
- Mean Field Theories
- Flavor effects from high momenta

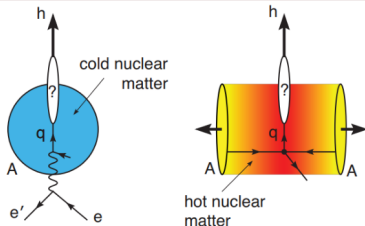
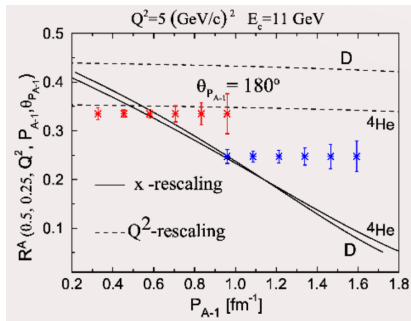
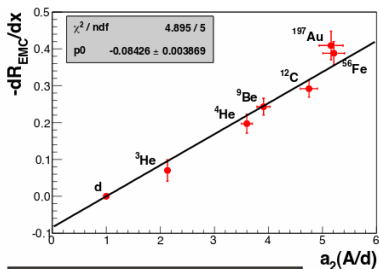


MEAN FIELD AND SRCS



Dynamic Linking of Nucleons to Partons

- Short range correlations
 - EMC correspondence
 - New nuclei
- Tagged spectator
 - Isotope tagging
 - Quantify offshellness
- Hadronization systematics



- Looking for ~10 pages total
- Collect contributions by June 18
 - Contributors, editors will be authors
 - Not necessarily restricted to workshop attendance
 - Let me know if you to be associated with a topic
 - Short sections with statement on status, objectives, and forward looking
- Will edit over summer
 - Editors for sections also welcome!
- Journal to be decided