

# ANL-EIC Workshop Agenda

## April 7<sup>th</sup> – 9<sup>th</sup>, 2010

Wednesday April 7<sup>th</sup>, 2010

### Morning session

**Title:** Nuclear effects

**Chair:** John Arrington

09:00 - 09:05	R. Janssens	Welcome
09:05 - 09:15	Z. Meziani	Workshop outline and goals
09:15 - 09:40	R. Ent	EIC overview (beam/detector parameters)
09:40 - 10:05	M. Sargsian	Nuclear effects overview
10:05 - 10:30	M. Grosse Perdekamp	RHIC measurements and EIC extensions

#### **10:25 – 10:55 Coffee break**

10:55 – 11:15	G. Miller	EMC effect overview
11:15 – 11:35	V. Guzey	Shadowing
11:35 – 11:55	A. Accardi	Rates, Spectator tagging
11:55 – 12:15	D. Dutta	EMC effect measurements, flavor tagging

#### **12:15 – 13:30 Lunch**

### Afternoon session

**Title:** Exclusive reactions

**Chair:** Vadim Guzey

13:30 – 13:40	V. Guzey	Introduction
13:40 – 14:10	L. Zhu	Extraction of the nuclear gluon distribution from nuclear structure functions $F_2$ and $F_L$
14:10 – 14:40	M. Lamont	MC generator for eA diffraction
14:40 – 15:10	S. Liuti	Review of nuclear GPDs

#### **15:10 – 15:40 Coffee break**

15:40 – 16:10	L. Frankfurt	Black disk limit of high-energy eA scattering
16:10 – 16:40	I. Cloet	Nucleons in the medium
16:40 – 17:30	Discussion	

**18:30 Welcome reception at the Argonne guest house**

**Thursday April 8<sup>th</sup>, 2010**

**Morning session**

**Title:** Color in nuclei  
**Chair:** Dipangkar Dutta

09:00 – 09:35	M. Strikman	Overview of Color in Nuclei
09:35 – 10:00	L. El Fassi	CT in Rho production
10:00 – 10:25	W. Cosyn	CT in exclusive pion and proton production

**10:25 – 10:55 Coffee break**

10:55 – 11:25	K. Gallmeister	Exclusive DIS processes and GiBUU
11:25 – 11:55	S. Liuti	CT and GPDs
11:55 – 12:15	Discussion	

**12:15 – 13:30 Lunch**

**Afternoon session**

**Title:** Propagation in nuclei  
**Chair:** Alberto Accardi

13:30 - 13:35	A. Accardi	Introduction
13:35 - 13:55	P. Di Nezza	HERMES data overview
13:55 - 14:15	T. Mineeva	JLab data overview
14:15 - 14:45	I. Vitev	Cold energy loss and photons
15:45 - 15:05	W. Bentz	The NJL jet-model for quark fragmentation functions

**15:05 - 15:35 Coffee break**

15:35 - 15:55	R. Dupre	Monte Carlo tools and simulations
15:55 - 16:15	K. Gallmeister	Hadron Attenuation and pT-Broadening within GiBUU
16:15 - 16:35	A. Majumder	Higher-Twist energy loss and in medium evolution
16:35 - 16:55	H. Avakian	Modification of transverse momentum distributions in nuclei
16:55 - 18:00	Discussion	

**18:30 Workshop Dinner**

**Friday April 9<sup>th</sup>, 2010**

**Morning session**

**Title:** Short range structure

**Chair:** Misak Sargsian

09:00 - 09:25	M. Strikman	Probing Non-Nucleonic Degrees of Freedom In Nuclei
09:25 - 09:50	S. White	Spectator Fragments at EIC
09:50 - 10:15	M. Sargsian	Superfast Quarks in Nuclei - Theory
10:15 - 10:40	J. Arrington	Super-Fast Quarks in Nuclei - Experiment

**10:40 – 11:00 Coffee break**

**11:00 – 12:00 W. Brooks** **Coming Unglued: the Life and Times of Quasi-Free Quarks** (Physics Division colloquium)

**12:15 – 13:30 Lunch**

**Afternoon session**

**Title:** Closing session

**Chair:** Kawtar Hafidi

13:30 – 13:50	R. Ent	EIC @JLab: plans, politics and beyond
13:50 – 14:10	D. Dutta	CT summary and outlook
14:10 – 14:30	J. Arrington	Nuclear effects summary and outlook
14:30 – 14:50	V. Guzey	Exclusive reactions summary and outlook
14:50 – 15:10	A. Accardi	Propagation in nuclei summary and outlook

**15:10 – 15:40 Coffee break**

15:40 - 16:10	M. Sargsian	Short range structure summary and outlook
16:10 –16:30	K. Hafidi	Closing remarks

**17:00 Adjourn**