

SRC

CT and photon structure

Bound nucleon modification

Gluon structure

Hadronic

BSM

QCD

SRC – Jackson, Phoebe

CT and photon structure – Bhesha

Bound nucleon modification – possibly Jackson, Phoebe

Gluon structure – Jackson

Hadronic – Phoebe, Bo

BSM – collaborative work with Mike W? with possibly Jackson, Phoebe

QCD – Phoebe

SRC

Tensor Dominance of Nuclear SRCs using ρ_0 Photoproduction
Tensor-to-Scalar Transition in Nuclear SRC using ρ_0 and ρ -
Relative SRC Abundance in Light Nuclei using High-Momentum Scaling in ρ_0

CT and photon structure

CT in Light Nuclei with π^-
CT in Light Nuclei with ϕ_0

Bound nucleon modification

Branching Ratio Modification
Gluon Structure of Bound Proton with Incoh. VM Photoproduction
Pion Cloud of the Bound Proton with Incoh. Pion Photoproduction
Pion Cloud of the Bound neutron

Gluon structure

Gluon Radius of Light Nuclei using Coherent VM Photoproduction
Sub-Threshold J/ψ Photoproduction from Light Nuclei
 J/ψ production on neutron from light nuclei

Hadronic

ϕ photoproduction on neutron
Beam spin asymmetries in $d(\gamma, \pi^0)$, $d(\gamma, \pi^0 p)n$, $d(\gamma, \pi^- p)p$
K- mass modification in medium

BSM

Axion-Like particle search in coherent di-photon production
 A' search/ QED mesons, Anomalous soft photon
KTeV anomaly

QCD

Dominance of handbag mech ($d(\gamma, \pi^- p)p/d(\gamma, \pi^+ n)n$)
Constituent Scaling in Deuteron Photodisintegration to $E_\gamma=8$ GeV
Hidden color searches in the ratio $\gamma d \rightarrow \Delta^{++} \Delta^-$ to $\gamma d \rightarrow p n$
Hidden color searches in the ratio $\gamma d \rightarrow J/\psi p n$ to $\gamma d \rightarrow p n$

SRC

Tensor Dominance of Nuclear SRCs using ρ_0 Photoproduction (Phoebe)

Tensor-to-Scalar Transition in Nuclear SRC using ρ_0 and ρ^- (Jackson)

Relative SRC Abundance in Light Nuclei using High-Momentum Scaling in ρ_0

CT and photon structure

CT in Light Nuclei with π^- (Bhesha)

CT in Light Nuclei with ϕ_0 (Bhesha)

Bound nucleon modification

Branching Ratio Modification

Gluon Structure of Bound Proton with Incoh. VM Photoproduction

Pion Cloud of the Bound Proton with Incoh. Pion Photoproduction

Pion Cloud of the Bound neutron (Phoebe)

Gluon structure

Gluon Radius of Light Nuclei using Coherent VM Photoproduction (Jackson, Nathaly)

Sub-Threshold J/ψ Photoproduction from Light Nuclei

J/ψ production on neutron from light nuclei

Hadronic

ϕ photoproduction on neutron (Bo)

Beam spin asymmetries in $d(\gamma, \pi^0)$, $d(\gamma, \pi^0 p)n$, $d(\gamma, \pi^- p)p$ (Phoebe)

K- mass modification in medium

BSM

Axion-Like particle search in coherent di-photon production (Jackson, Phoebe, others)

A' search/ QED mesons, Anomalous soft photon

KTeV anomaly

Dominance of handbag mech ($d(\gamma, \pi^- p)p/d(\gamma, \pi^+ n)n$)

Constituent Scaling in Deuteron Photodisintegration to $E_\gamma=8$ GeV (Phoebe)

Hidden color searches in the ratio $\gamma d \rightarrow \Delta^{++} \Delta^-$ to $\gamma d \rightarrow p n$

Hidden color searches in the ratio $\gamma d \rightarrow J/\psi p n$ to $\gamma d \rightarrow p n$

QCD