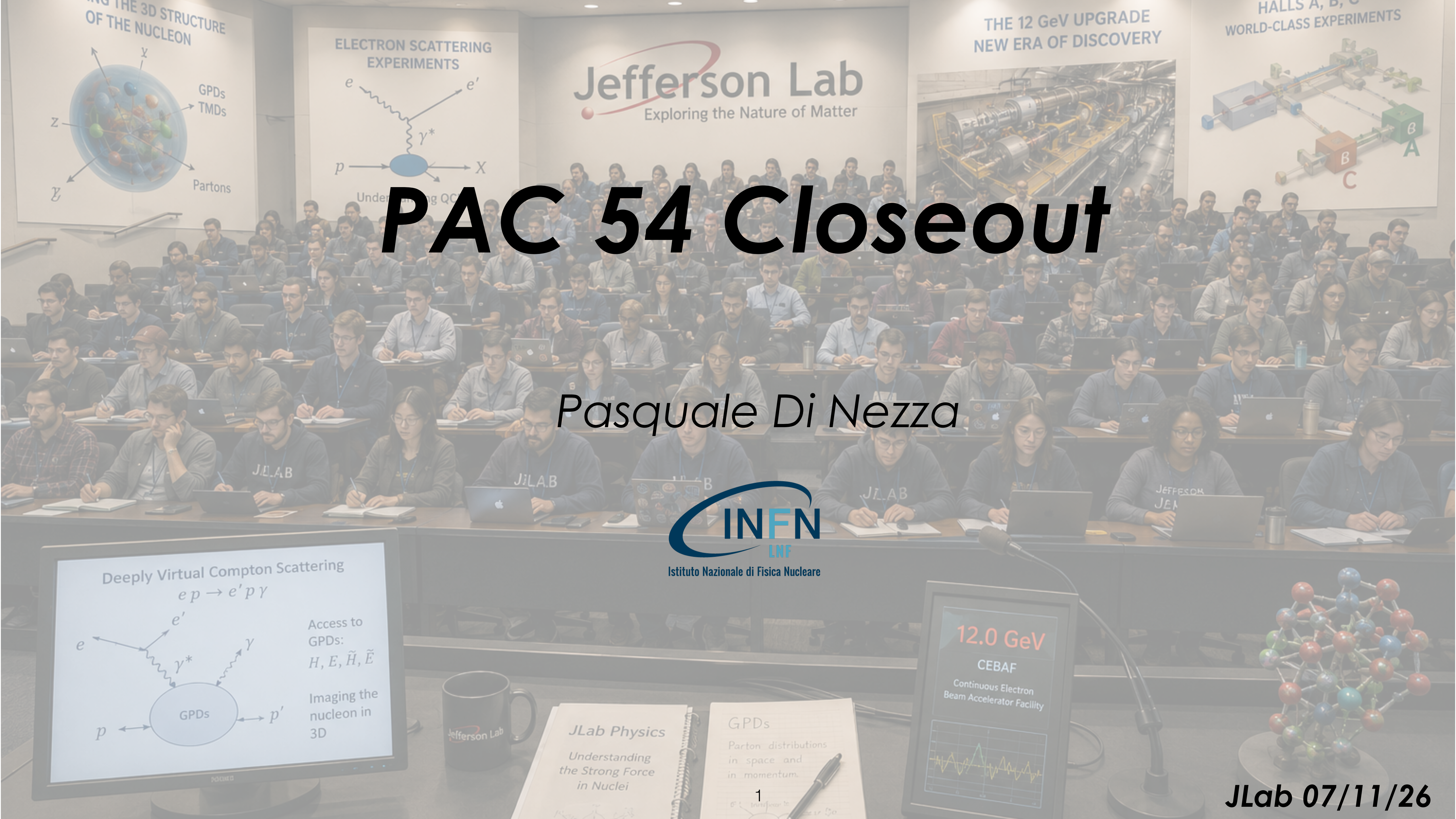




PAC 54 Closeout

Pasquale Di Nezza



Deeply Virtual Compton Scattering
 $e p \rightarrow e' p \gamma$

Access to GPDs:
 $H, E, \tilde{H}, \tilde{E}$

Imaging the nucleon in 3D

JLab Physics

Understanding the Strong Force in Nuclei

GPDs

Parton distributions in space and in momentum.

1

12.0 GeV

CEBAF

Continuous Electron Beam Accelerator Facility

JLab 07/11/26

Documents received

9 New Proposals	2 readers
2 New Run Group Proposals	2 readers
2 Run Group Proposals	1 reader
2 Jeopardy Experiments	1 reader
9 Letters of Intent	1 reader

Among the New Proposals:

- 1 focused on the “3D structure of the hadrons”
- 1 focused on the “Transverse structure of the hadrons”
- 5 focused on the “Hadrons and cold nuclear matter”
- 2 focused on the “Hadron spectra as probes of QCD”

+ supporting TAC reports, and Theory reports

General Remarks

All the received documents were scientifically well motivated, detailed, and demonstrated significant potential impact. We thank the proponents for the hard work that went into their preparation

The committee highly appreciated the exchange with the proponents, where the answers were often detailed, supported by new plots, and accompanied by clear explanations

General Remarks

All the received documents were scientifically well motivated, detailed, and demonstrated significant potential impact. We thank the proponents for the hard work that went into their preparation

The committee highly appreciated the exchange with the proponents, where the answers were often detailed, supported by new plots, and accompanied by clear explanations

However ...

The committee noted that important information was sometimes missing from the proposals but was readily provided during discussions with the readers. We therefore encourage proponents to critically review their proposals before submission

We discourage the submission of a new document if previous recommendations have not been fully addressed — please take this seriously into consideration!

General Remarks

A New Proposal/ New Run Group can be

- Rejected

- Deferred

- Conditionally approved: there are conditions to be fulfilled

(C1 doesn't go back to PAC, C2 does come back)

- Approved

A Run Group can be endorsed or not

A Jeopardy proposal may “remain active” or not. If it stays active, its scientific grade could be re-evaluated

A Letter of Intent receives recommendations

General Remarks

A New Proposal/ New Run Group can be

-Rejected

-Deferred

-Conditionally approved: there are conditions to be fulfilled

(C1 doesn't go back to PAC, C2 does come back)

-Approved

Please note that a deferred project is not a rejected one!
While the physics case is considered strong, the numerous conditions necessary to move forward in the approval process led us to recommend the submission of a new proposal

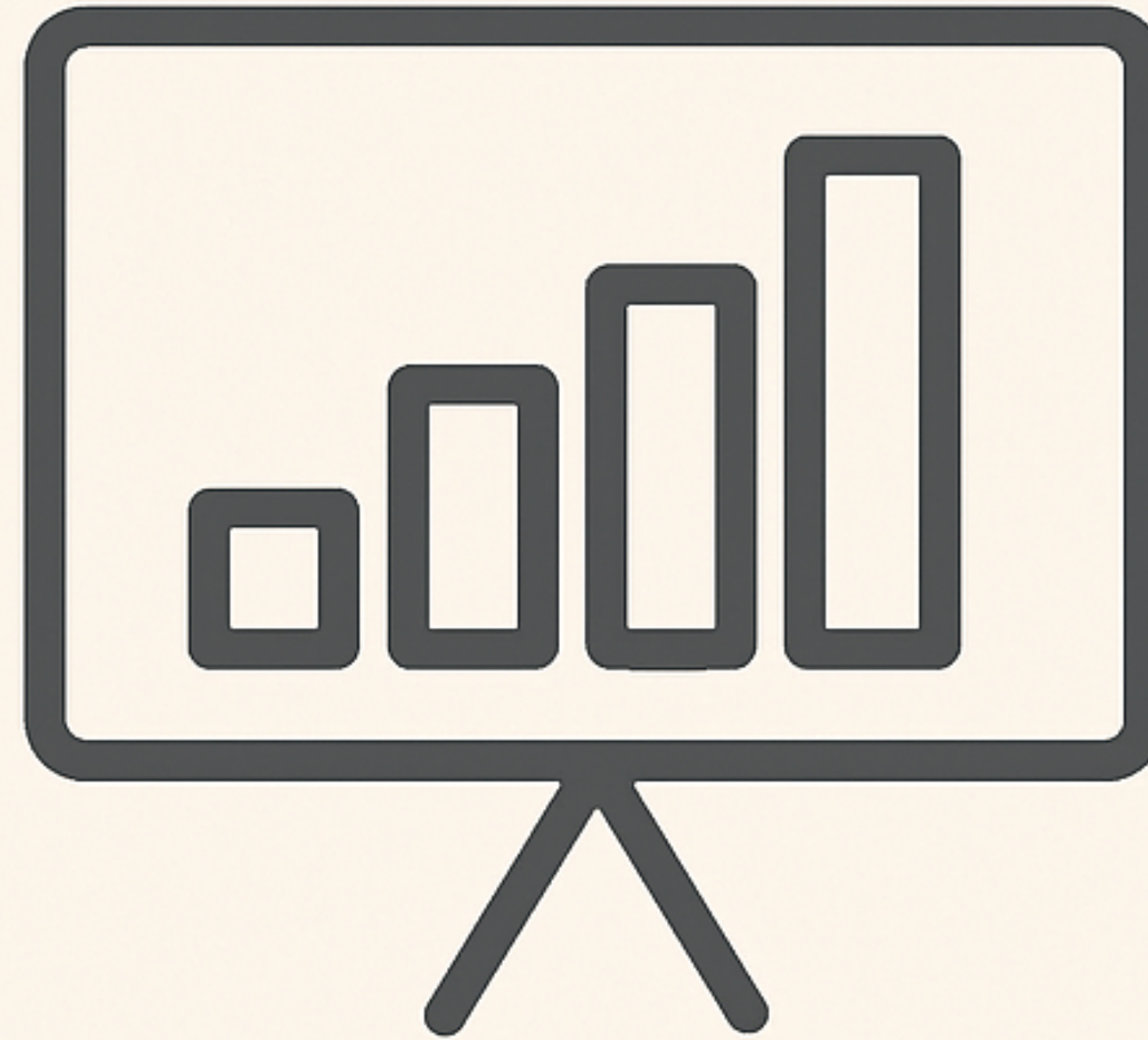
Receive a Scientific Grade

it is the average
of secret votes

A Run Group can be endorsed or not

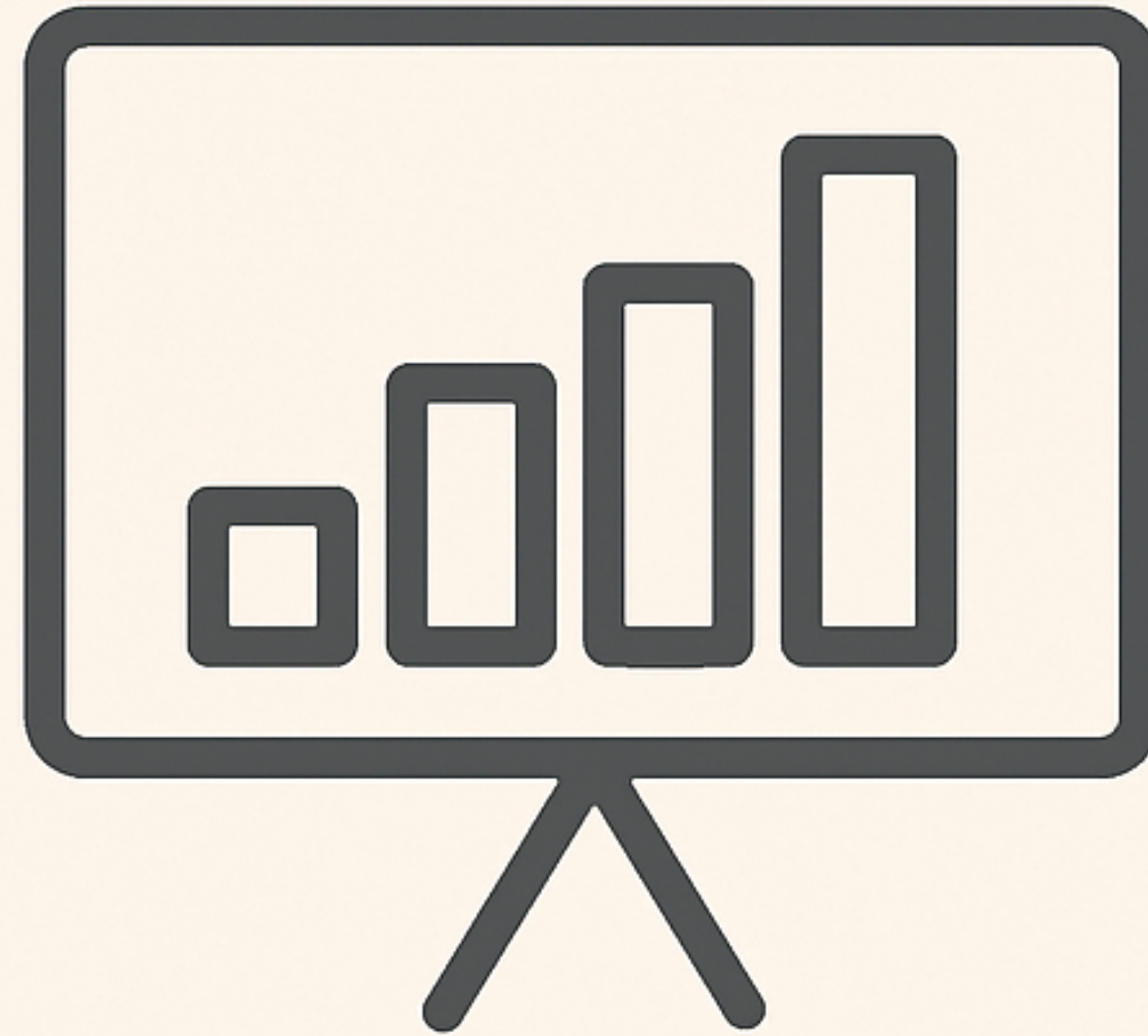
A Jeopardy proposal may “remain active” or not. If it stays active, its scientific grade could be re-evaluated

A Letter of Intent receives recommendations



New Proposals

The complete PAC54 public report will be released in a couple of weeks, providing full details of the reviews

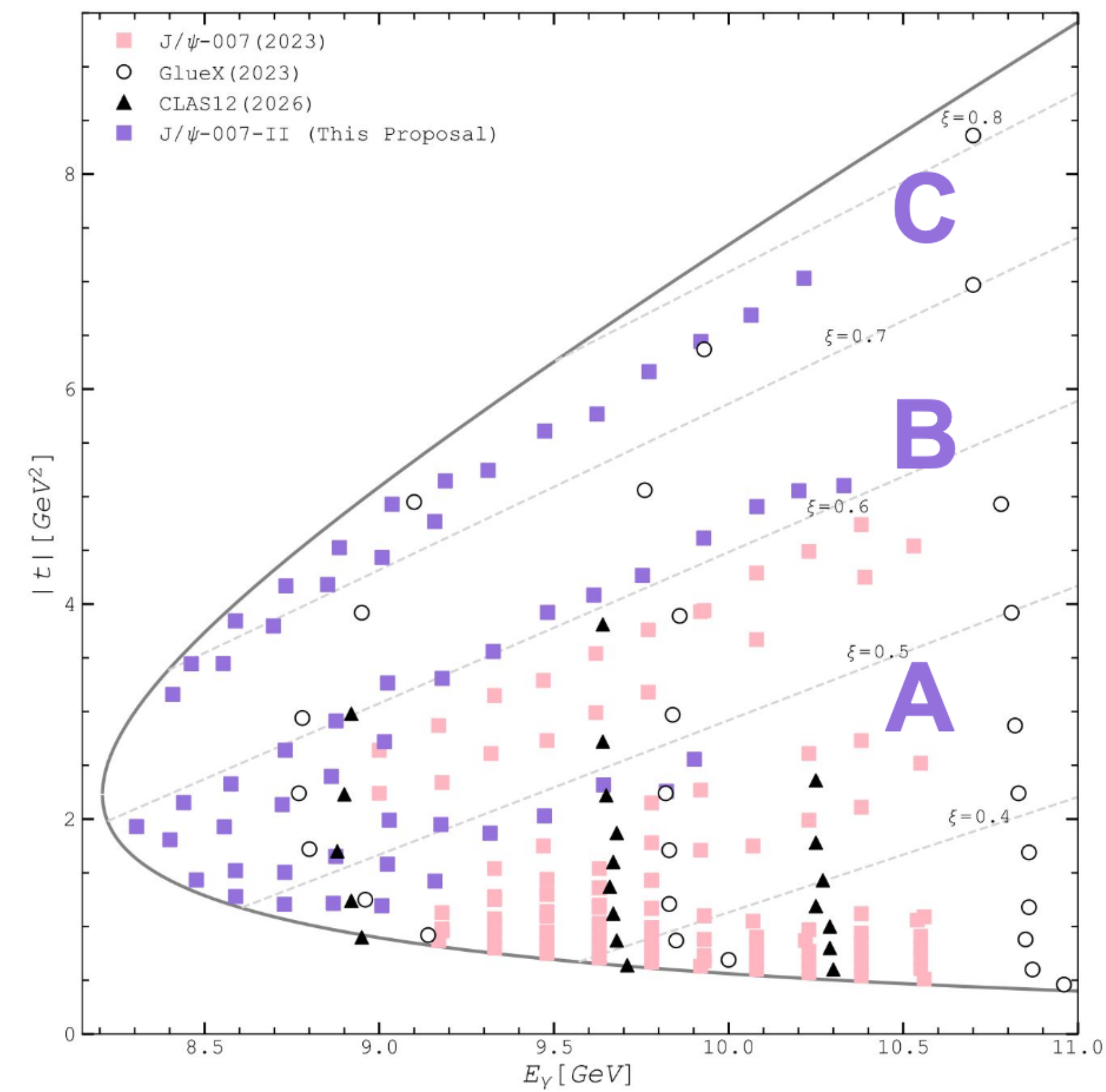


3D structure of the
hadrons

PR12-26-003 Exclusive Near-Threshold J/ψ Photoproduction at Large Skewness in Hall C at Jefferson Lab

Hall-C 27 PAC days

Measurements sensitive to the gluonic structure of the nucleon via its gravitational form factors (GFFs). The C kinematic region has so far been only sparsely covered. Try to solve also some previous JLab near-threshold measurements showing hints of alternative production mechanisms that may complicate simple gluonic t-channel description



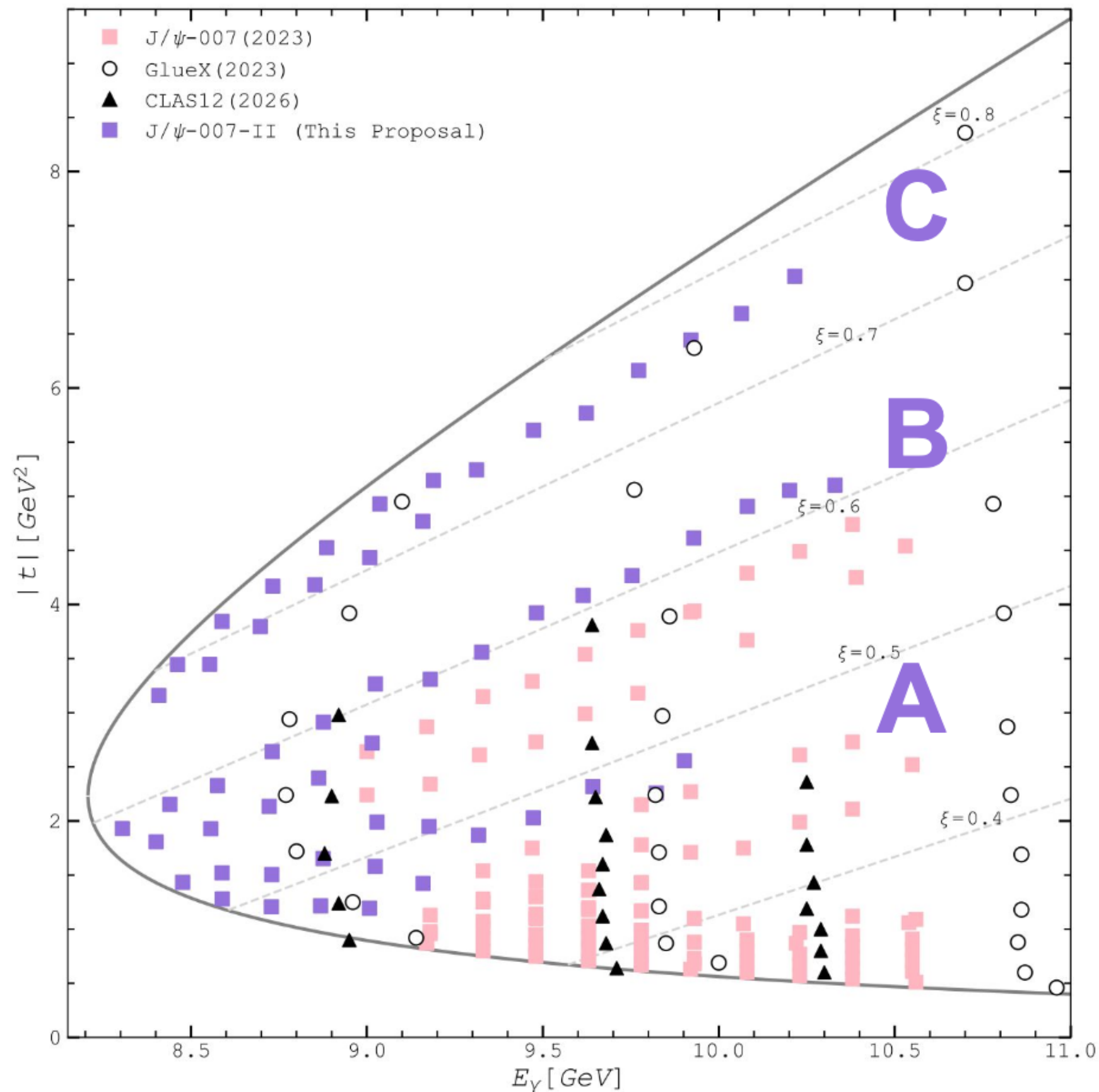
Near-threshold J/ψ photoproduction at JLab in terms of the squared four momentum transfer $|t|$ as a function of bremsstrahlung photon energy E_γ

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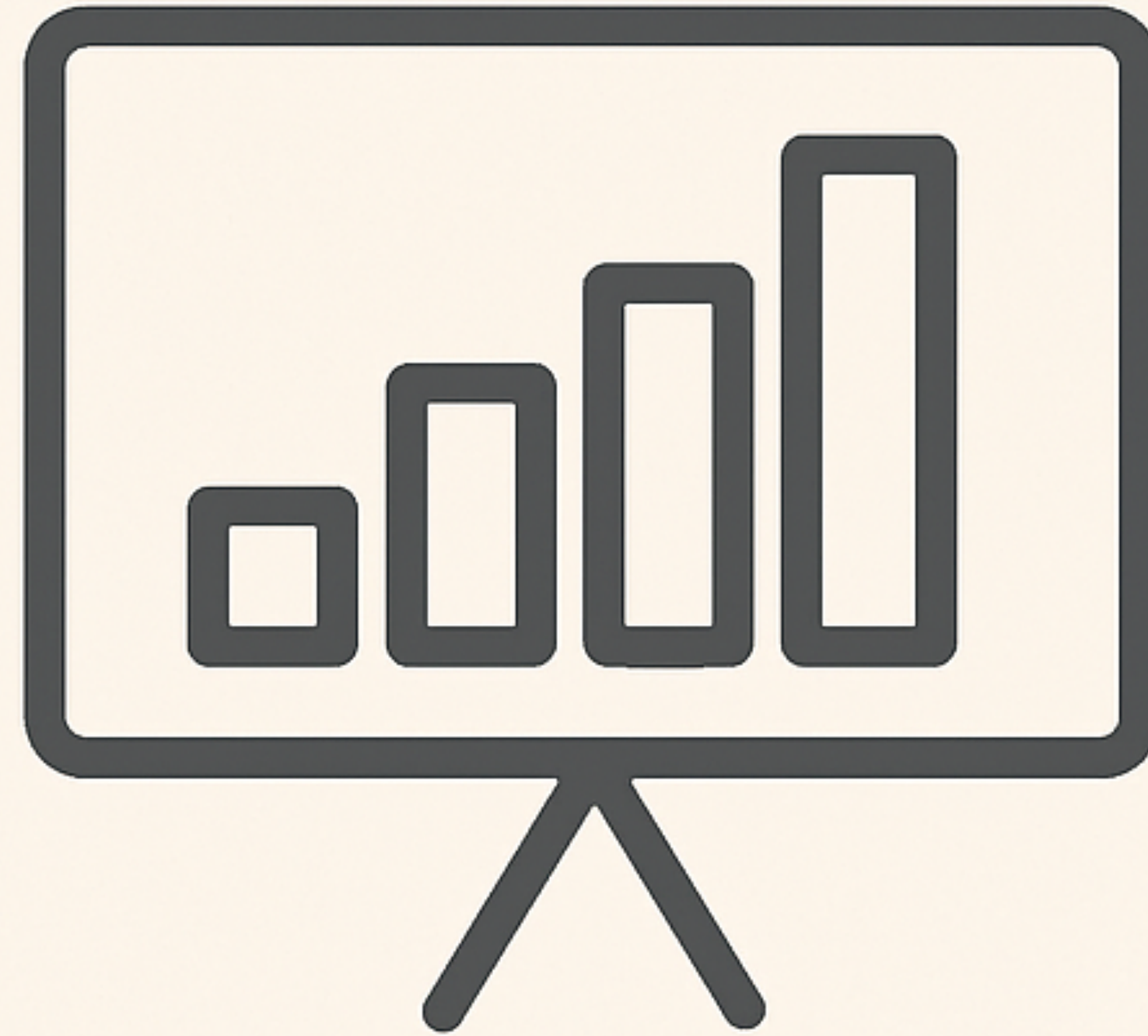
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Measurements sensitive to the gluonic structure of the nucleon via its gravitational form factors (GFFs). The C kinematic region has so far been only sparsely covered. Try to solve also some previous JLab near-threshold measurements showing hints of alternative production mechanisms that may complicate simple gluonic t-channel description

The interpretation of the results could be complicated by possible contributions from other hadronic mechanisms. Nevertheless, even if the extraction of gravitational form factors remains model dependent, a precise mapping of the near-threshold differential cross section would constrain contributions from open-charm, u-channel, and other production mechanisms beyond simple t-channel gluon exchange



Near-threshold J/ψ photoproduction at JLab in terms of the squared four momentum transfer $|t|$ as a function of bremsstrahlung photon energy E_γ

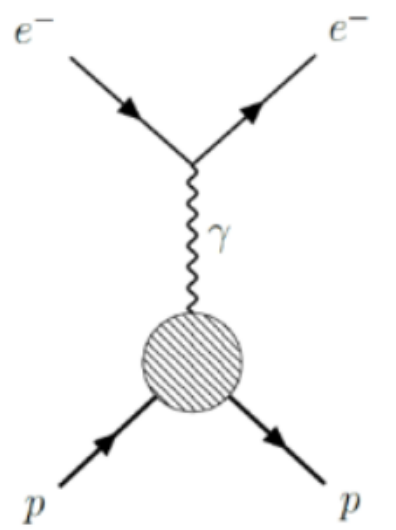


Transverse structure of
the hadrons

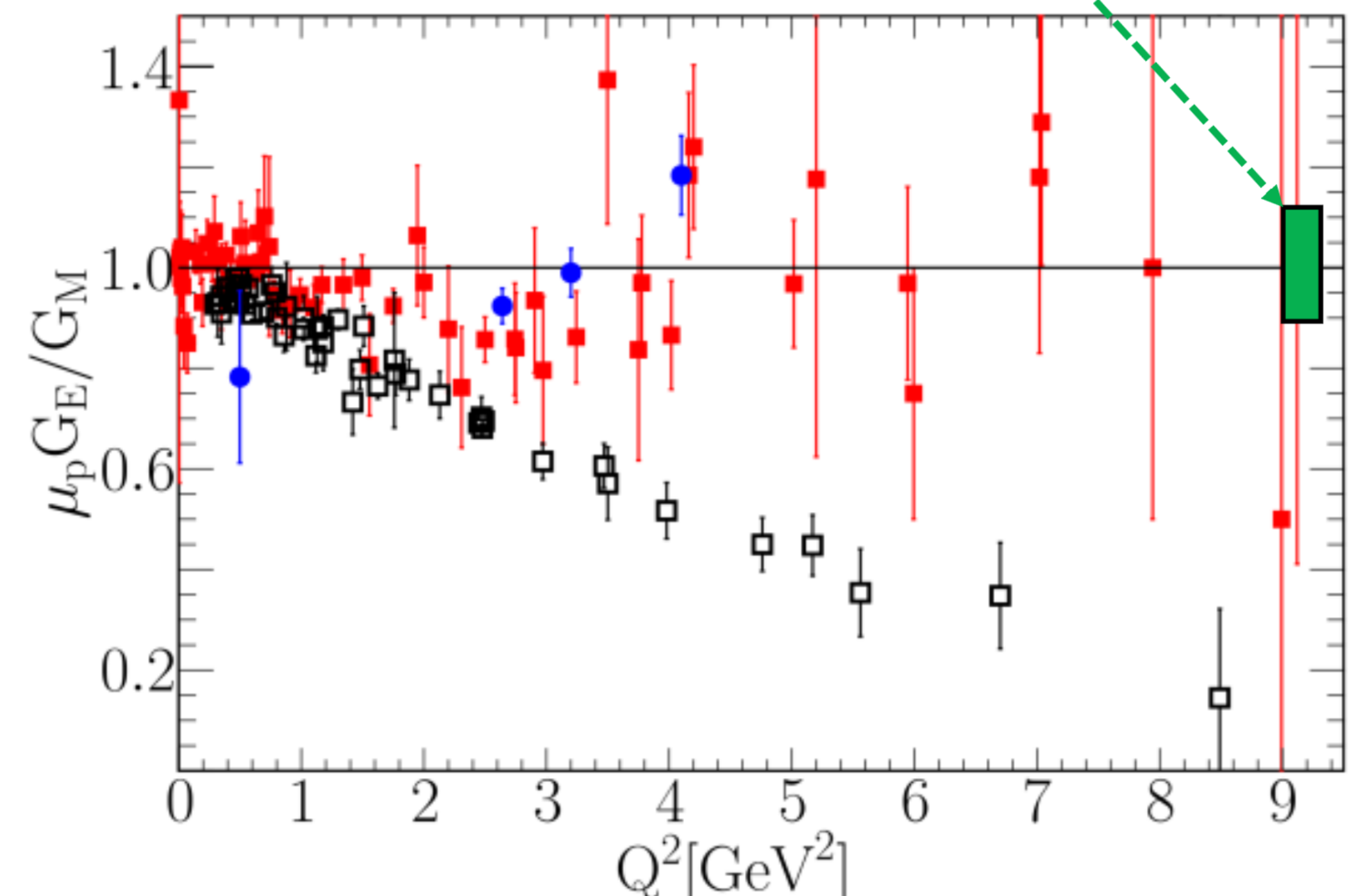
PR12-26-007 Rosenbluth separation of the elastic electron-proton scattering cross section at $Q^2 = 9.5 \text{ (GeV/c)}^2$

Hall-C 15.5 PAC days

The main physics goal is to investigate the discrepancy between Rosenbluth and polarization-transfer extractions of the proton form-factor ratio G_E/G_M , commonly interpreted as evidence for two-photon-exchange effects. The proposed measurement would extend Rosenbluth-type information to higher Q^2 and complement other approved two-photon-exchange programs, providing important information on the and nucleon electromagnetic structure



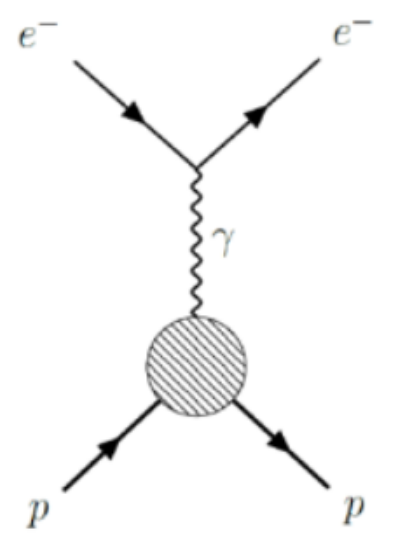
Projected result:
10% relative accuracy!



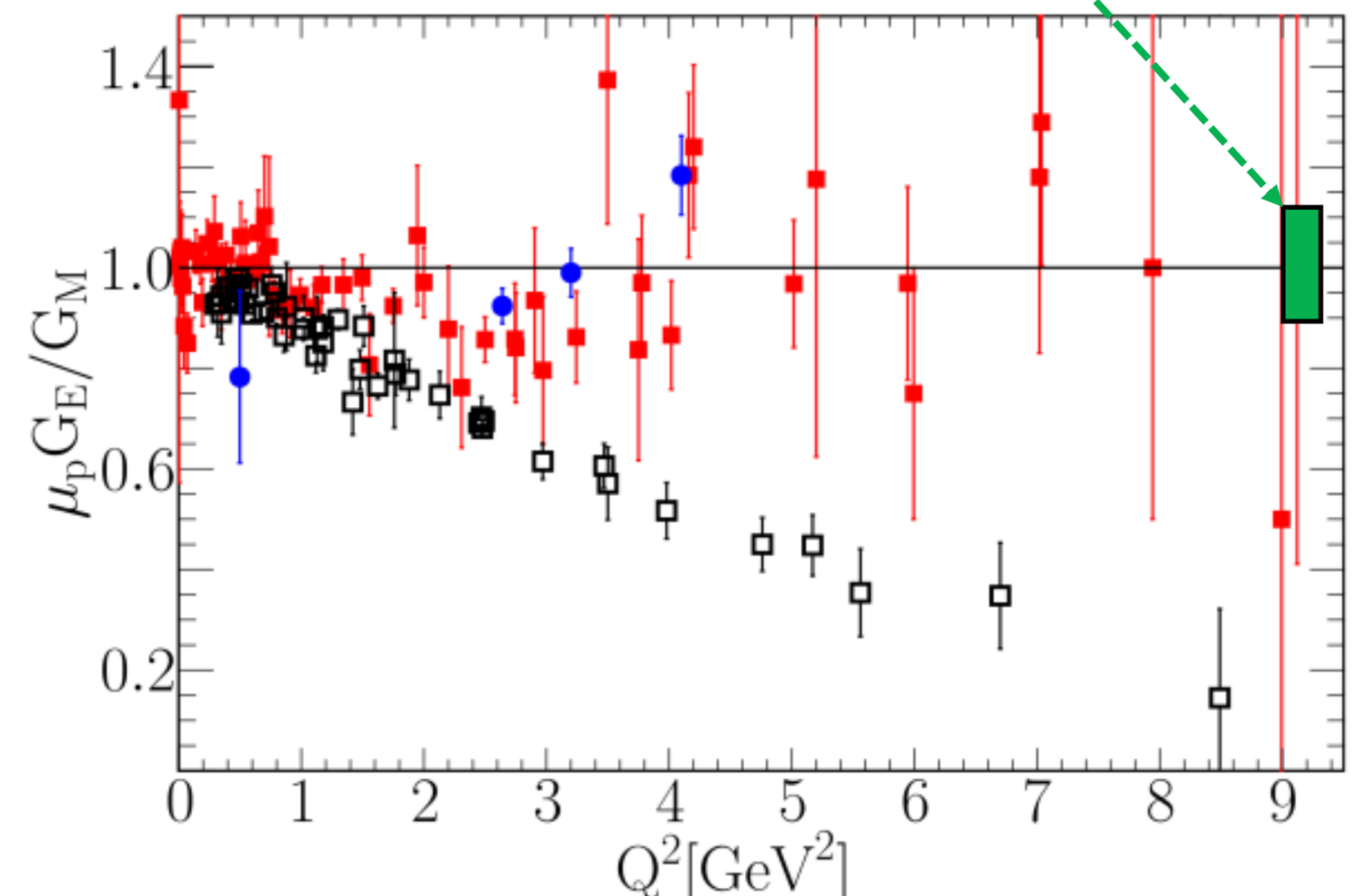
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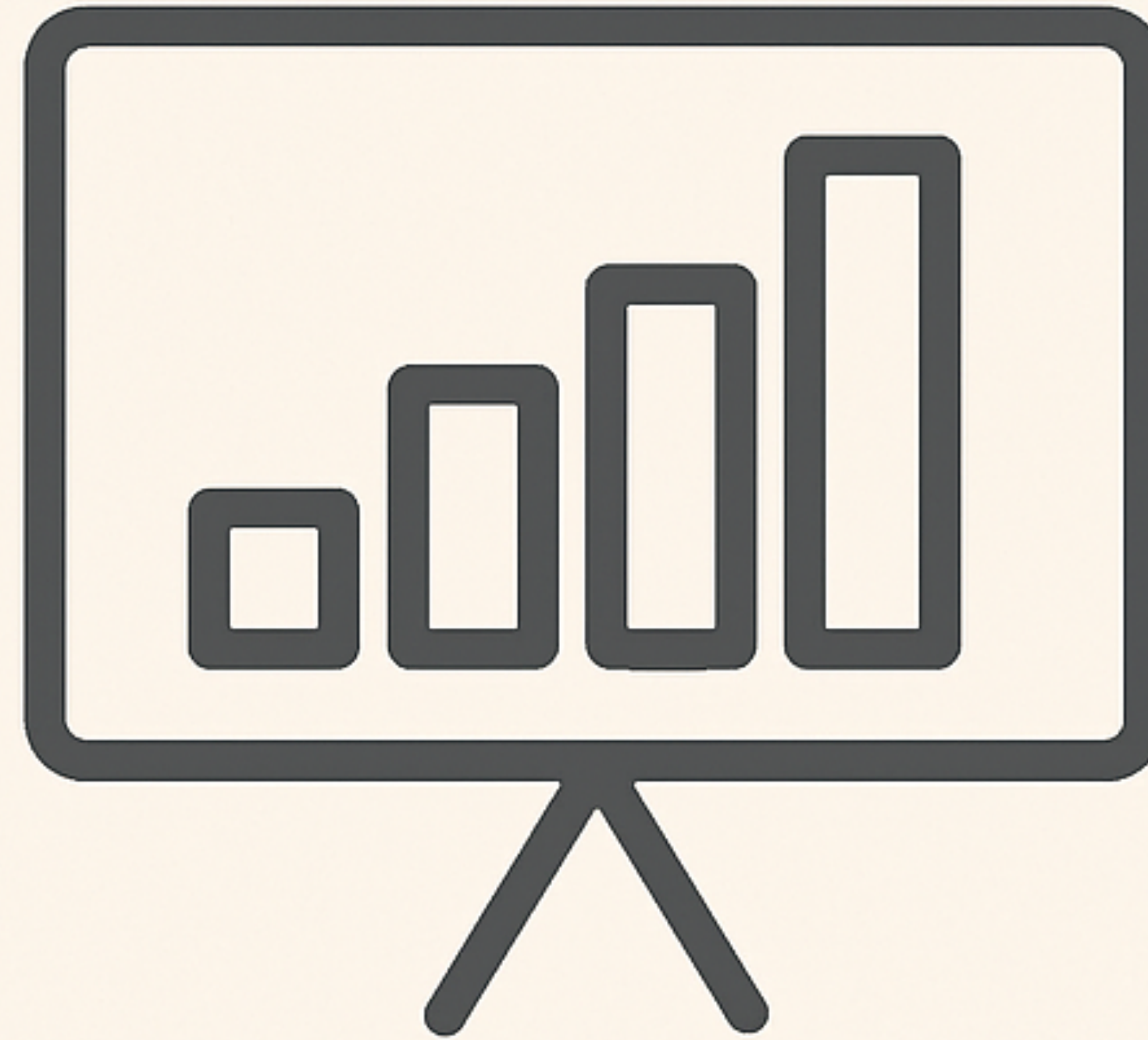
Projected result:
10% relative accuracy!



The physics case is strong, and the experimental concept is appropriate.

However, the PAC identified issues requiring further attention, including the very ambitious projected point-to-point systematic uncertainty of 0.20%.

Conditionally Approved C2

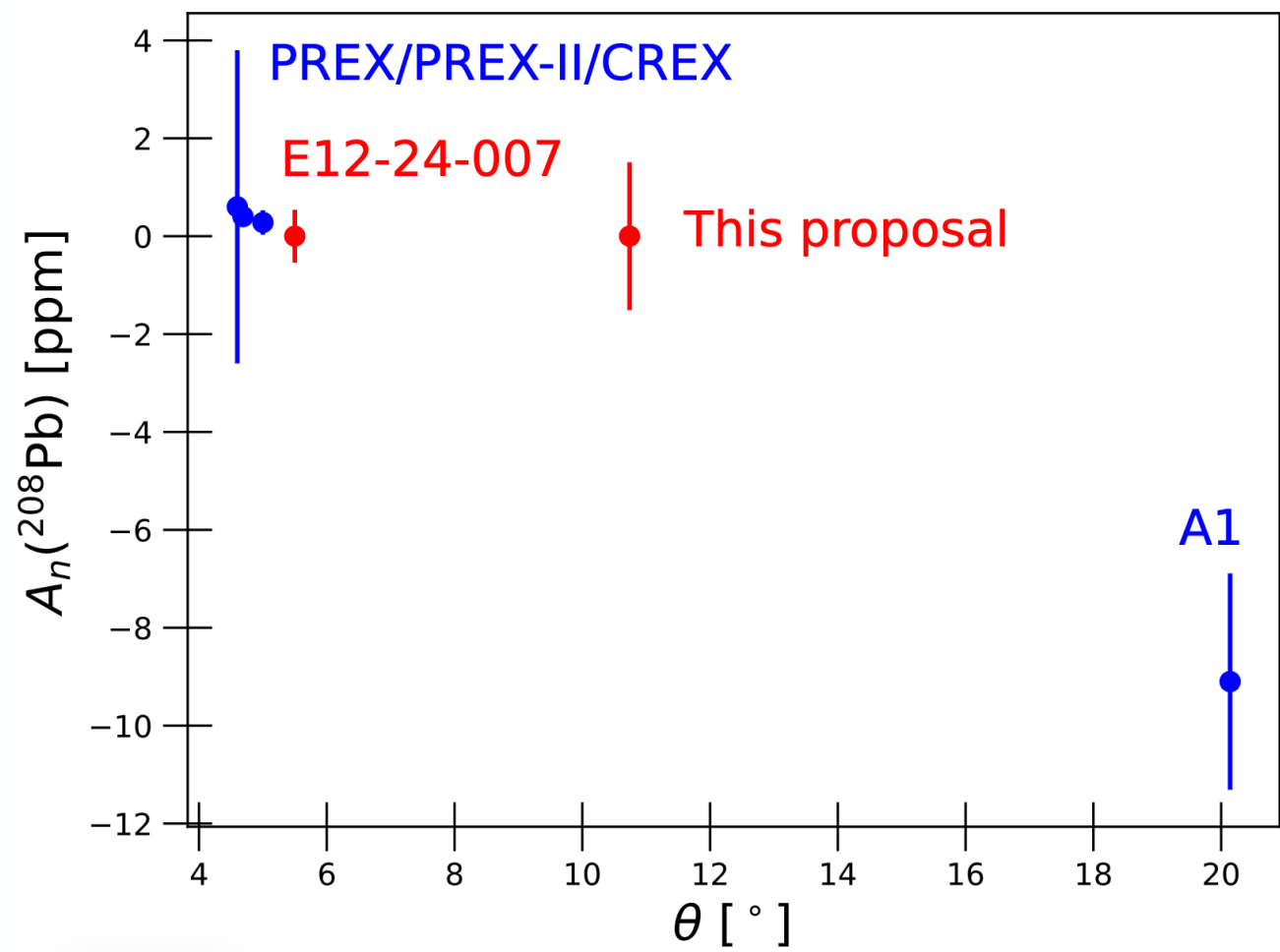


Hadrons and cold nuclear
matter structure of the
hadrons

PR12-26-002 Kinematic dependence of the beam-normal single-spin asymmetry on ^{208}Pb

Hall-C 10 days

This measurement will provide input on A_n , which sensitivity to the TPE is of interest for parity violating electron scattering. Contradicting results emerged for Pb from electron scattering measurements performed both at JLab and MAMI suggest a possible kinematic dependence not included in the models

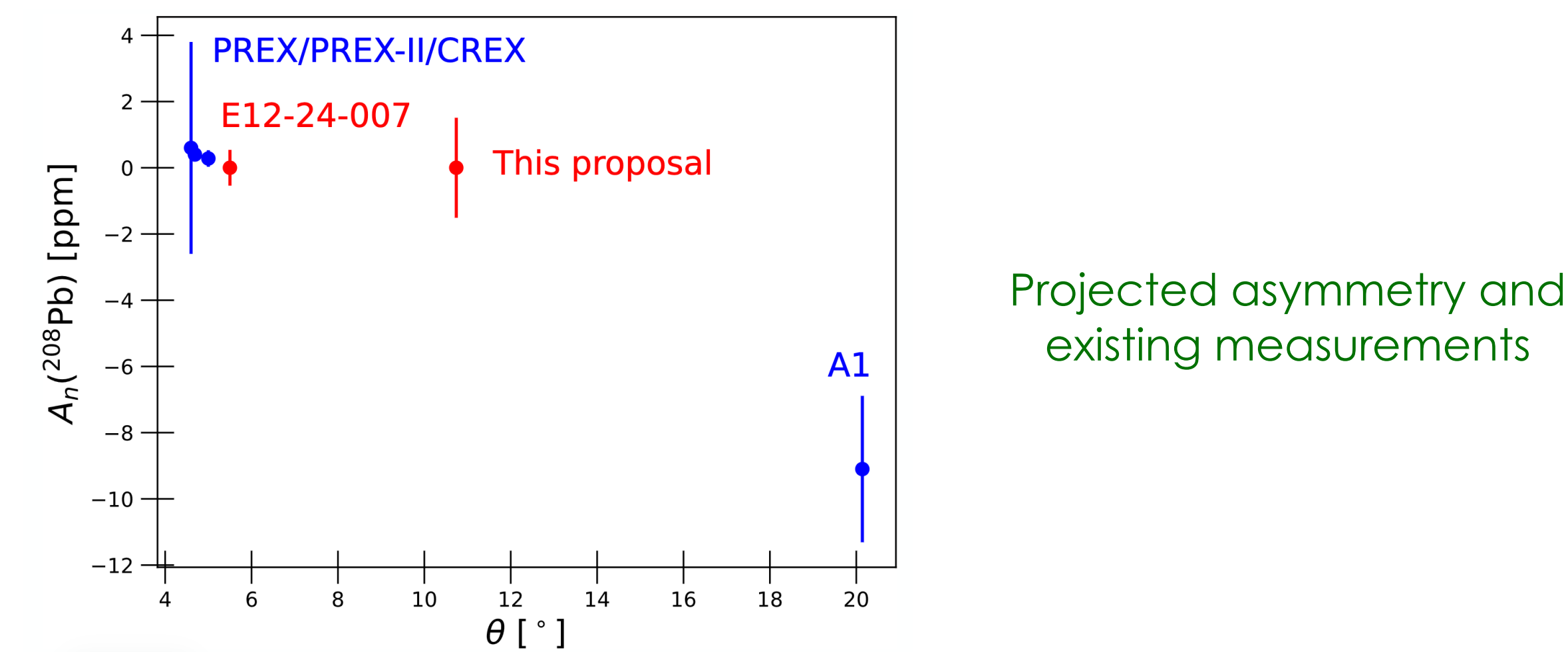


Projected asymmetry and existing measurements

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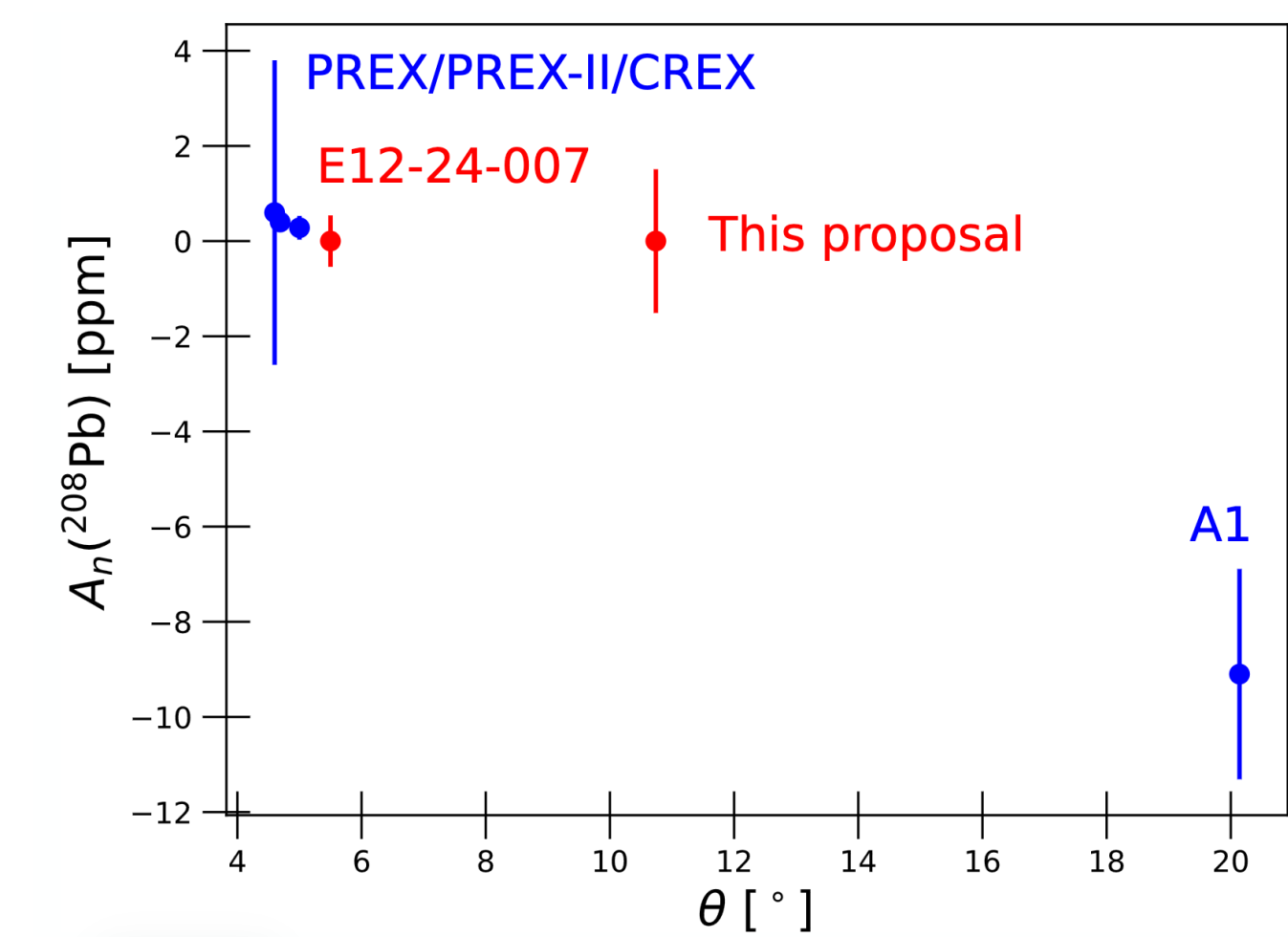


- The requested energy is non-standard and will require careful scheduling considerations
- The PAC days would increase to 13.5 days if the present experiment and E12-24-007 cannot be scheduled in tandem
- The PAC recognizes the importance of investigating this puzzle

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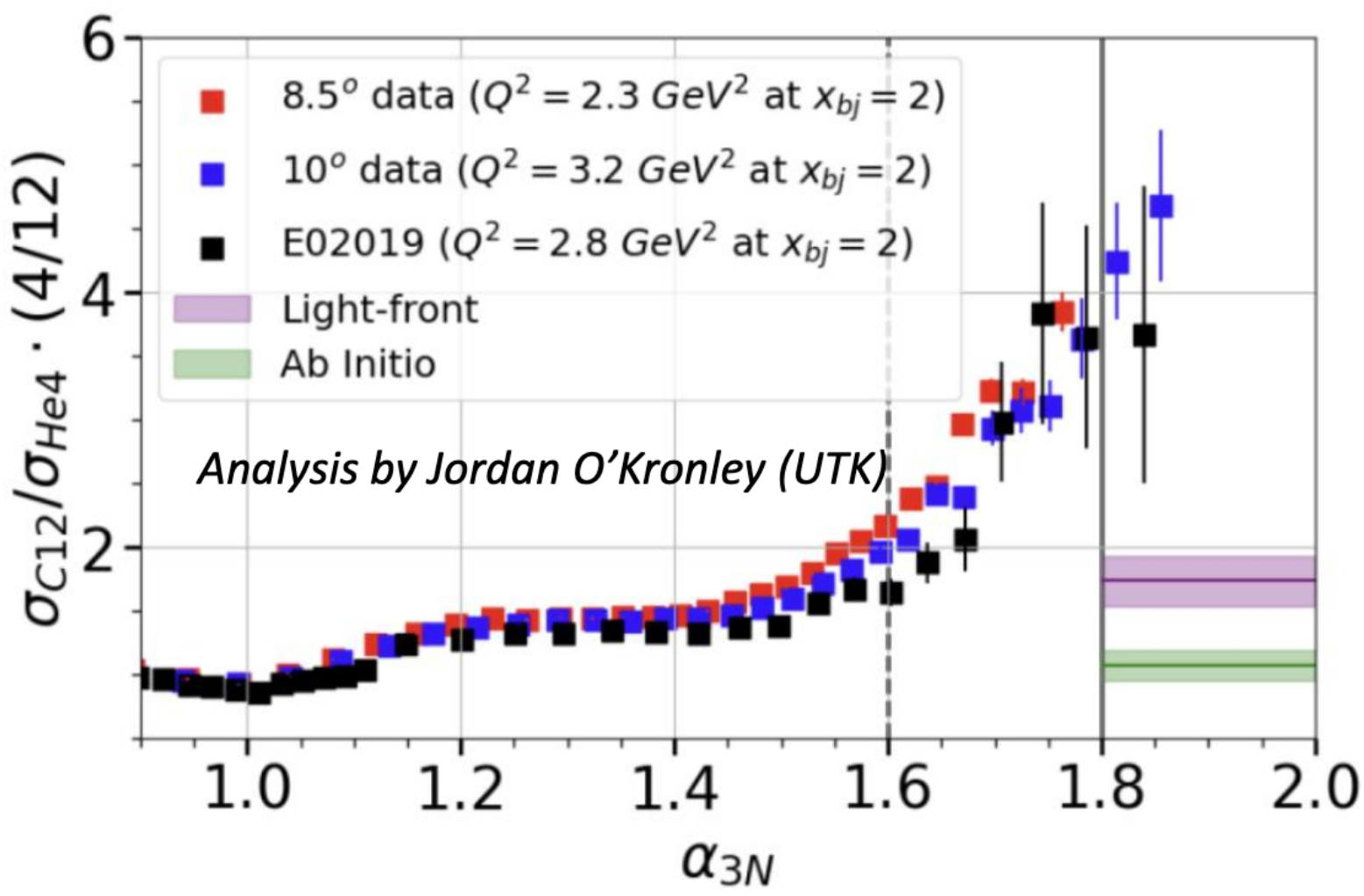
Approved - Scientific Rate B+

PR12-26-005 A definitive measurement of 3N correlations scaling plateau in inclusive scattering

Hall-C 28.3 PAC days

The proposal aims to establish the existence of 3N-SRC by observing a scaling plateau in the ratio of ^{12}C and ^6Li to ^4He total cross sections at the highest possible Q^2 , where the effects are predicted to become dominant

Preliminary per nucleon cross section ratios of ^{12}C to ^4He from XEM2

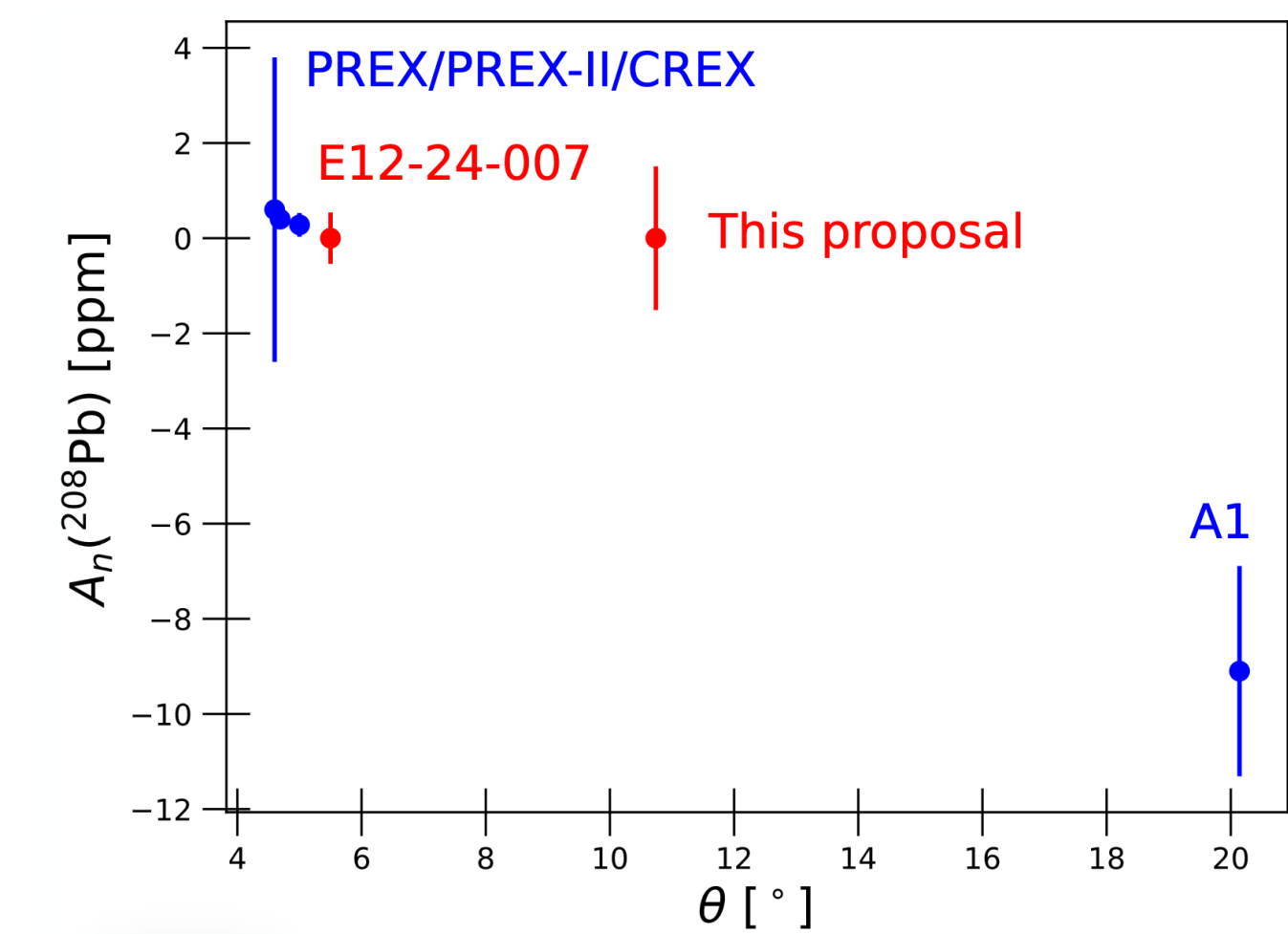


The total xsection ratios, as functions of x, are expected to develop a scaling plateau, which would indicate the onset of 3N-SRC.

PR12-26-002 Kinematic dependence of the beam-normal single-spin asymmetry on ^{208}Pb

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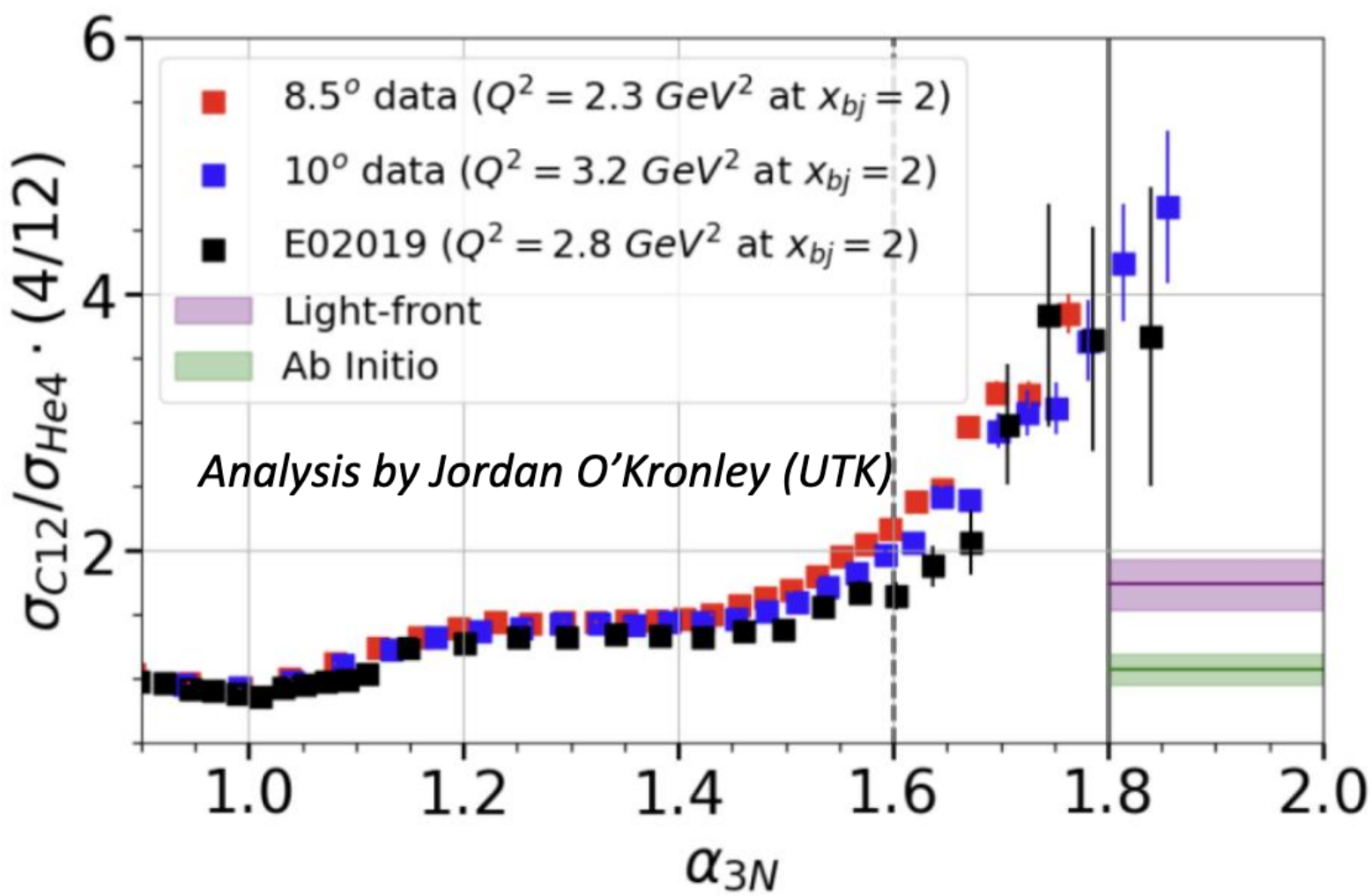
Approved - Scientific Rate B+

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Hall-C ~~28.3~~ PAC days
17

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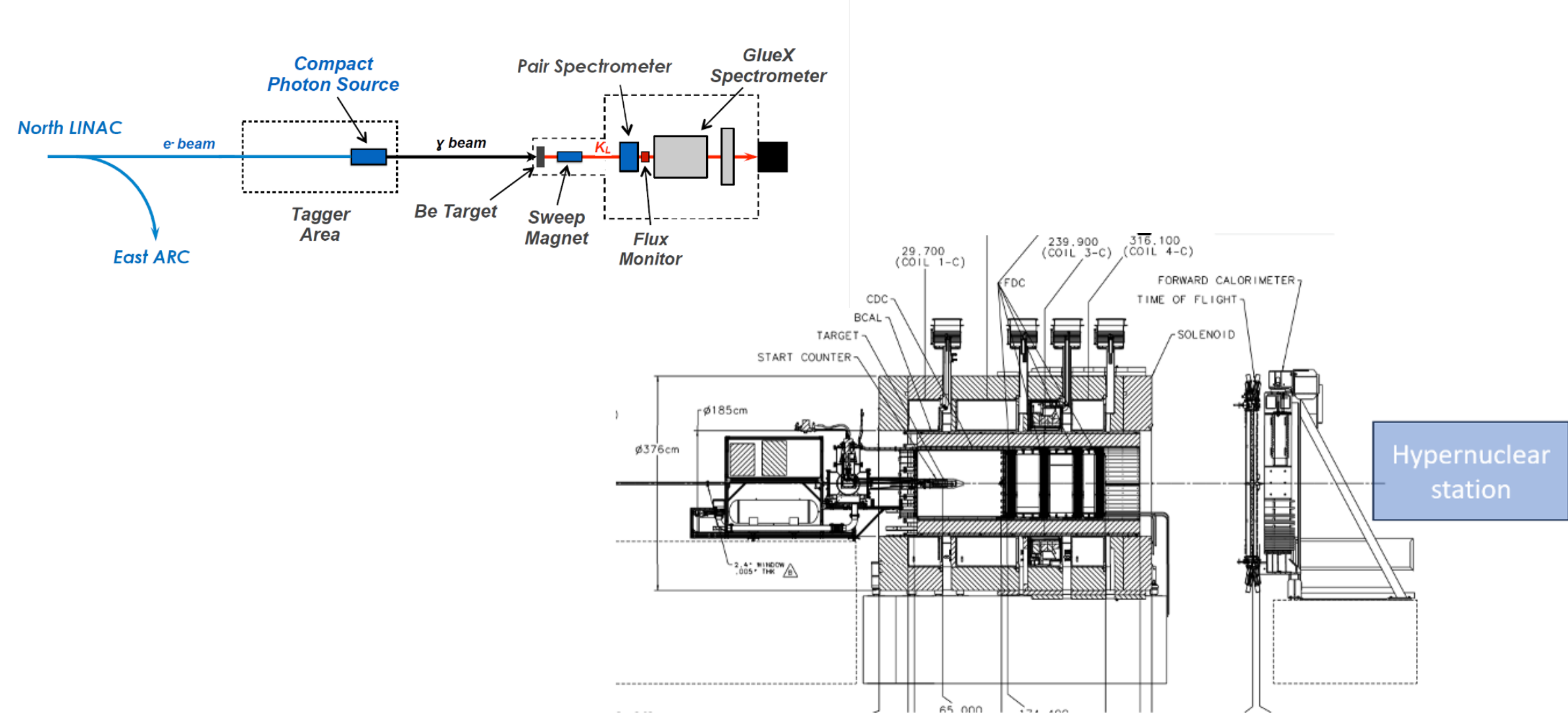
- The total xsection ratios, as functions of x , are expected to develop a scaling plateau, which would indicate the onset of 3N-SRC.
- The PAC acknowledges that this is a typical high-risk / high-gain situation. The risk could be mitigated by restricting the measurement to just the $\sigma(^{12}\text{C})/\sigma(^4\text{He})$. The test remains meaningful but the beam time would be reduced by a factor ~ 2

Approved - Scientific Rate A-

PR12-26-006 The Hypernuclear station at KLF

Hall-D 200 PAC days

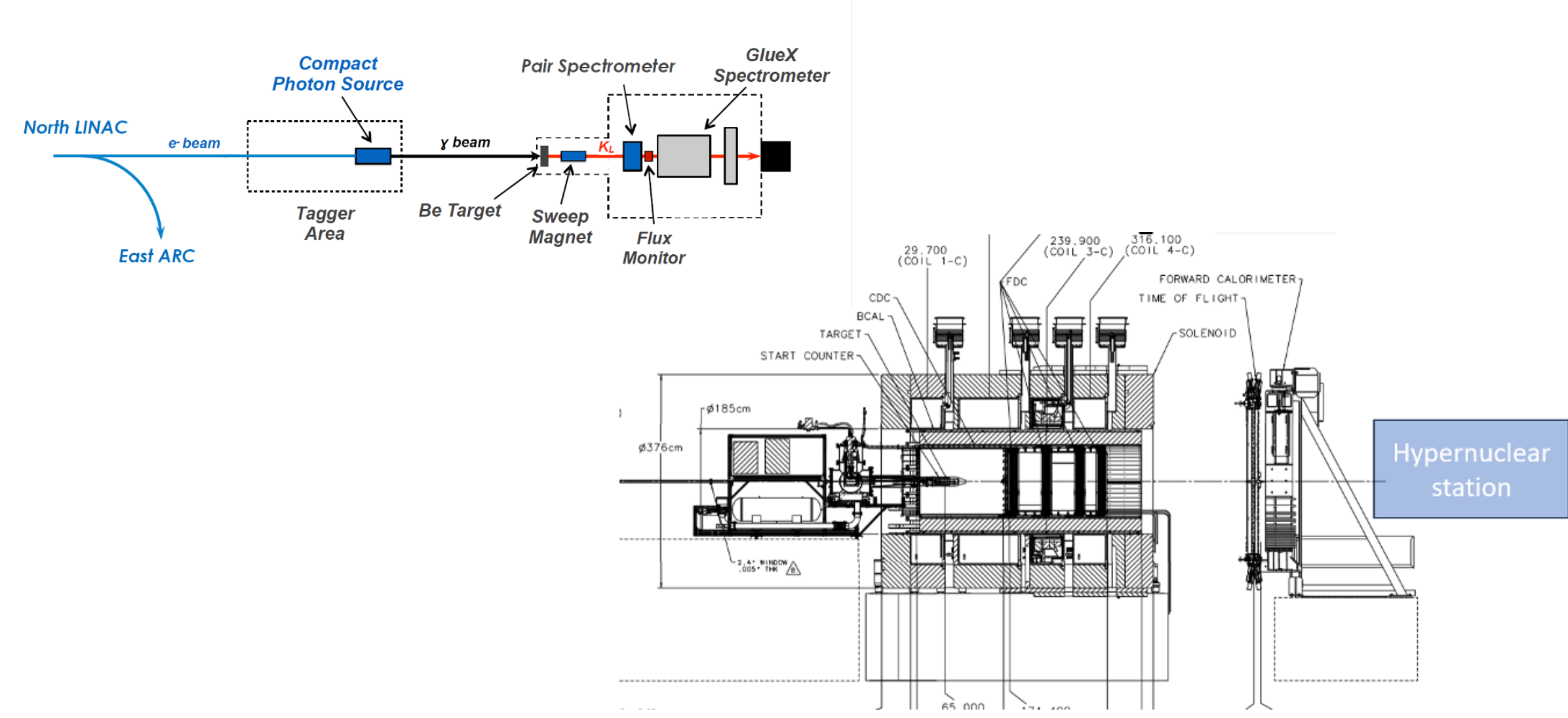
The proposal aims to create several thousand double-strange hypernuclear events, as well as single-strange hypernuclear events, by irradiating a stack of nuclear emulsion with a K_L beam at the KLF facility in Hall D (in parasitic way)



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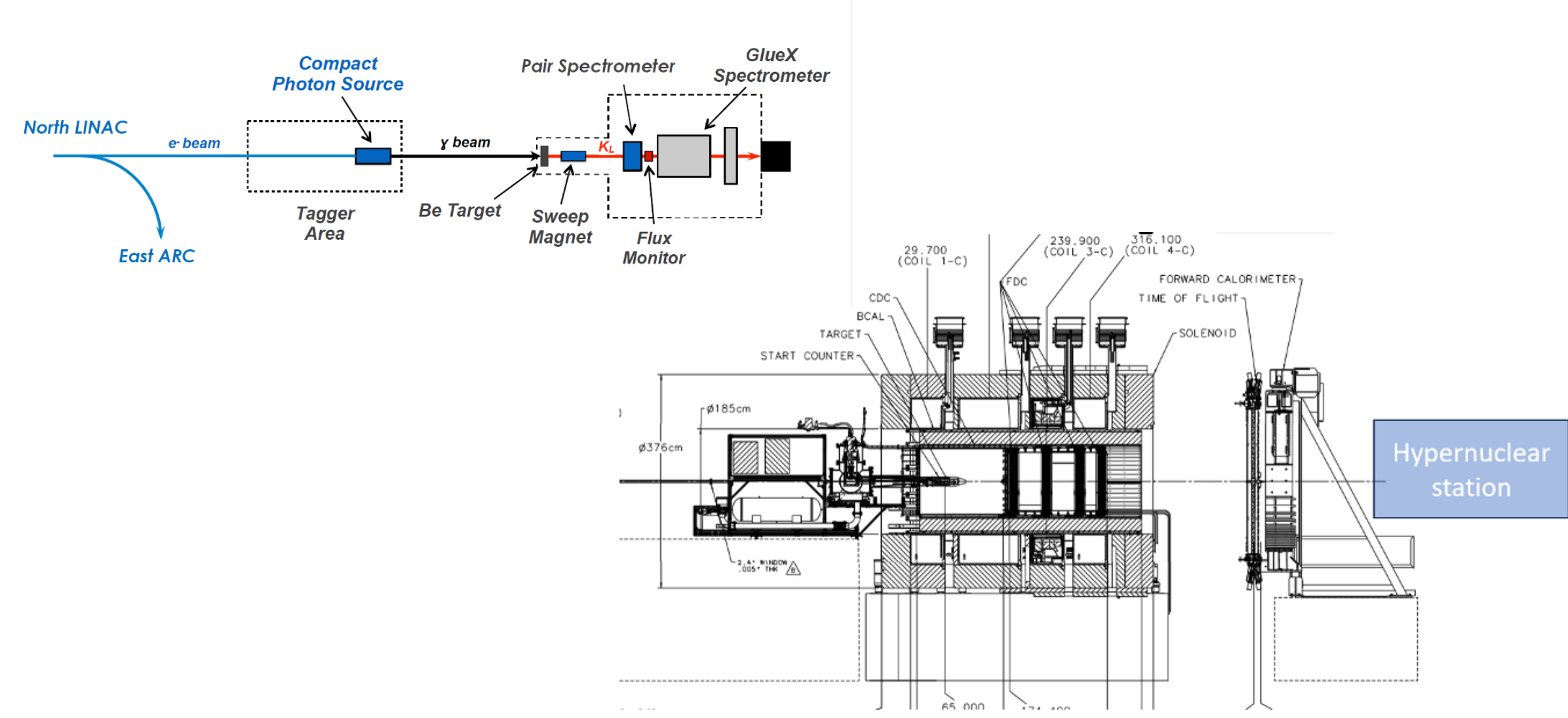
The PAC strongly supports this innovative idea, which could enable the recording of an order of magnitude more double hypernuclear events compared to conventional charged K^- irradiation. However, detailed simulations of the optimized setup, including event and background rate estimates, together with a detailed irradiation plan, are needed for a complete evaluation of the proposal

Deferred

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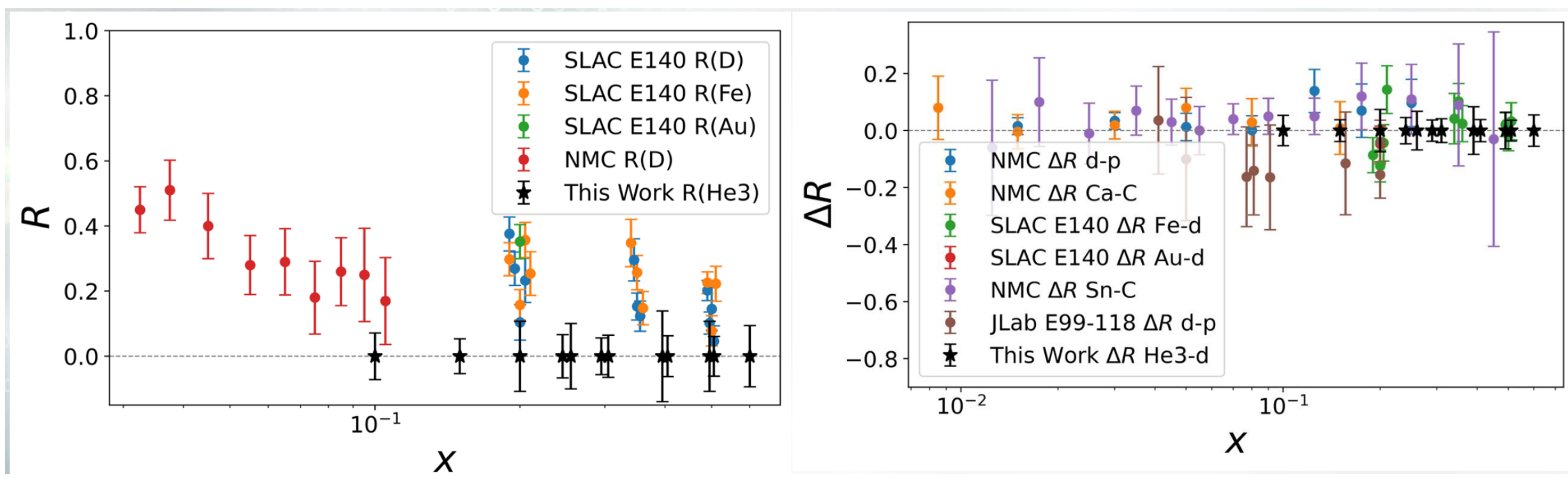
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PR12-26-008 Studying Possible Isospin Dependence of $R = \sigma_L/\sigma_T$

Hall-C 5 PAC days

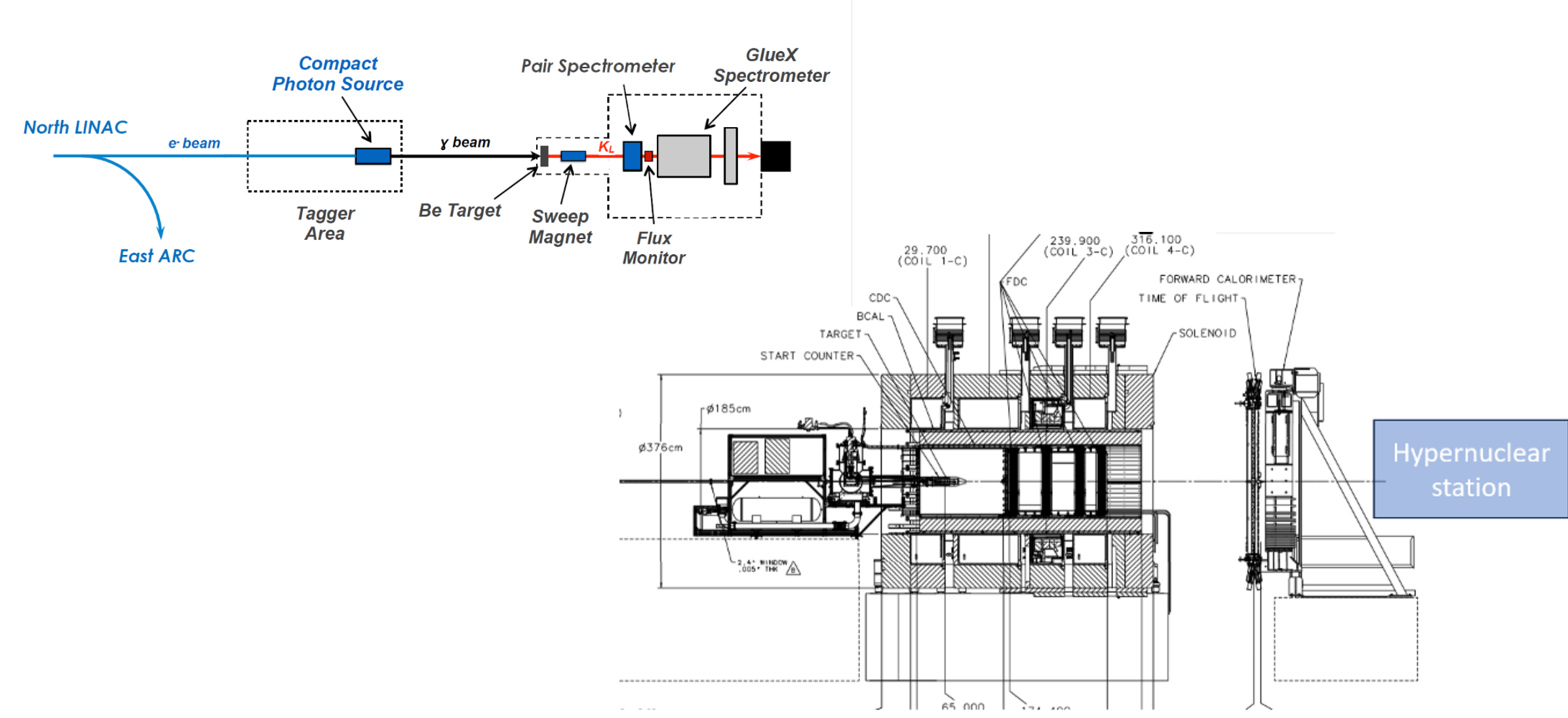
This proposal aims to study the possible isospin dependence of the ratio $R = \sigma_L/\sigma_T$ in DIS across a broad kinematic range in x . This is important because in extraction of the EMC effect, it is standard practice to assume that R is universal for all nuclei, however there are suggestions that it may indeed exhibit isospin dependence



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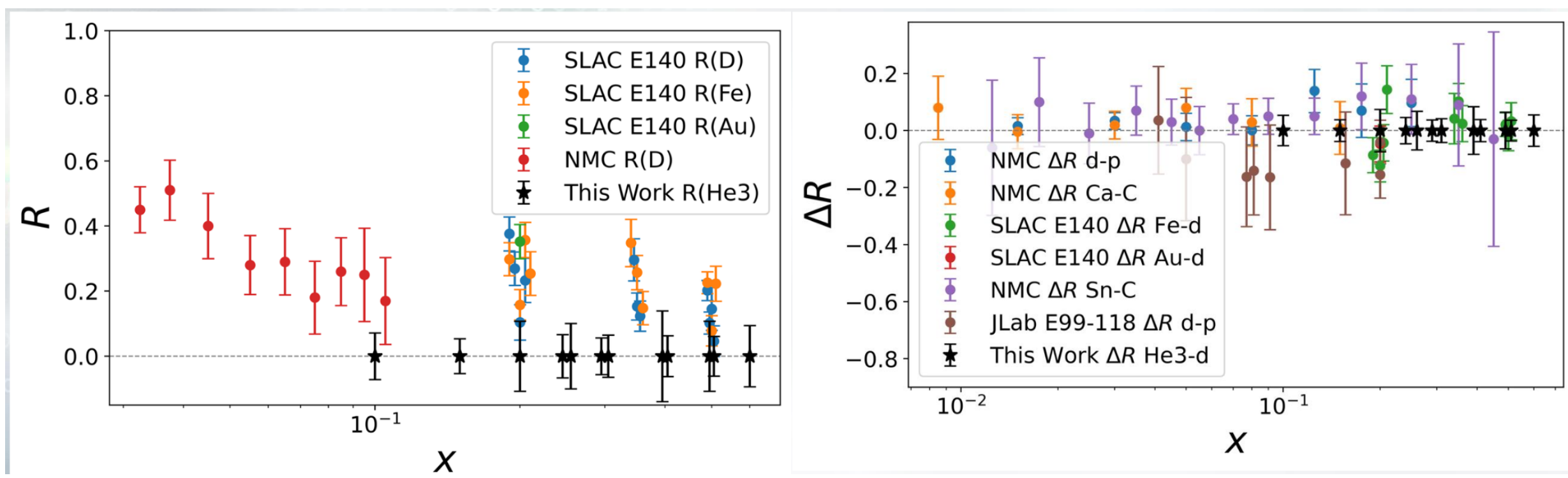
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Deferred

PR12-26-008 Studying Possible Isospin Dependence of $R = \sigma_L/\sigma_T$

Hall-C 5 PAC days

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Due to an important issue about the expected target configuration, the 6 beam energies were reduced to 4. This doesn't change the overall time due to target changeout time. This measurement could also be impactful to the long distance ν -oscillation experiments which make similar assumptions about the nuclear independence of R

Approved - Scientific Rate A-

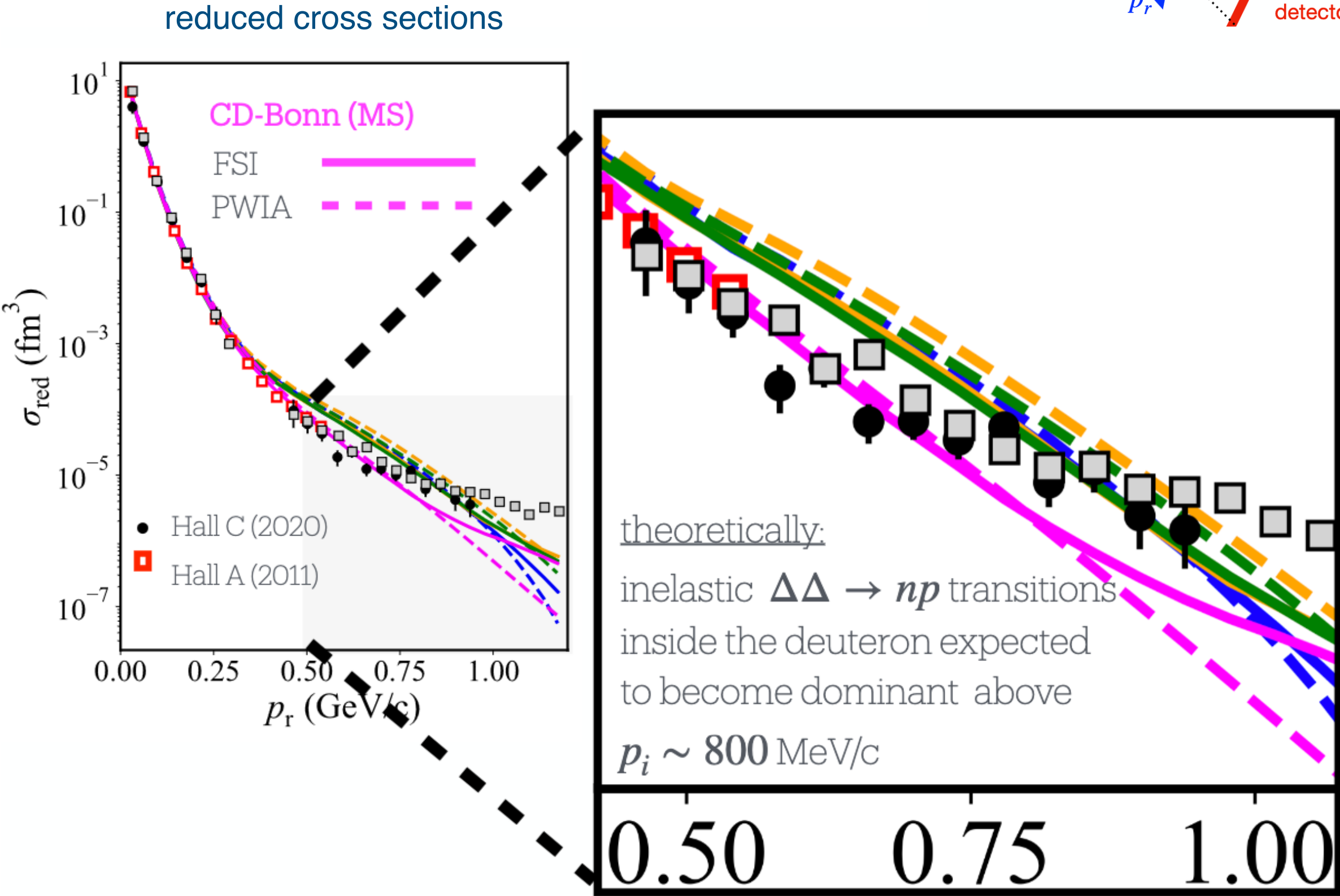
PR12-26-009 Final-State Interactions Studies in Deuterium at Very High Missing Momenta

Hall-C ~~23~~ PAC days
22 (drop of $p=500$ MeV)

The main goal is to study final-state interactions (FSI) and reaction dynamics in the deuteron at short distances

The proposal is motivated by Hall-C data showing a high-missing-momentum excess in reduced cross sections

The proposed angular scan will test whether the effect follows the expected FSI pattern or indicates missing reaction mechanisms, such as relativistic effects, isobar currents, or non-nucleonic degrees of freedom



No theoretical calculation reproduces data trend above $\sim 750 \text{ MeV}/c$

The anomaly appears very close to the threshold for non-nucleonic transitions ($\sim 800 \text{ MeV}/c$) in the NN system

PR12-26-009 Final-State Interactions Studies in Deuterium at Very High Missing Momenta

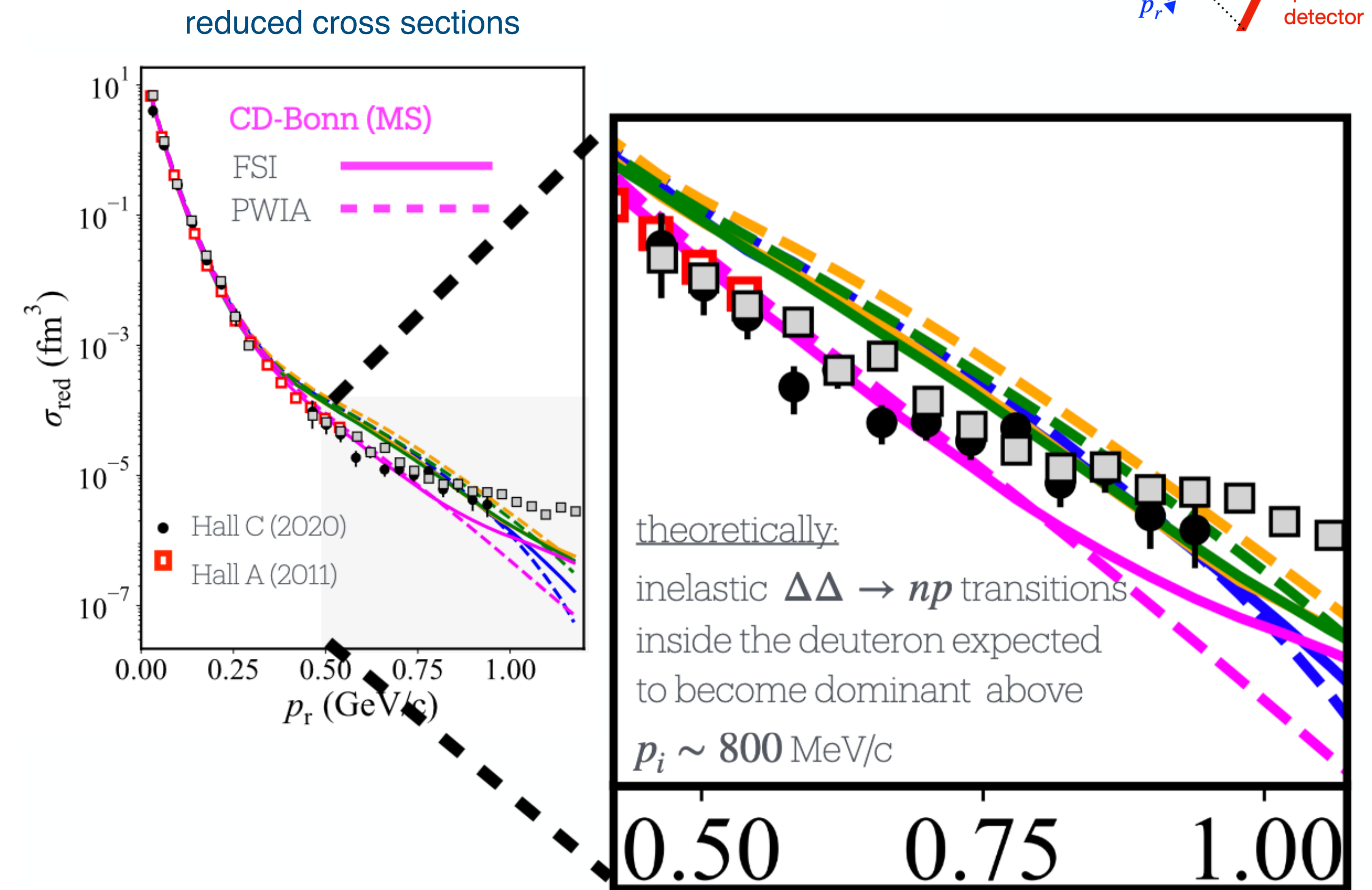
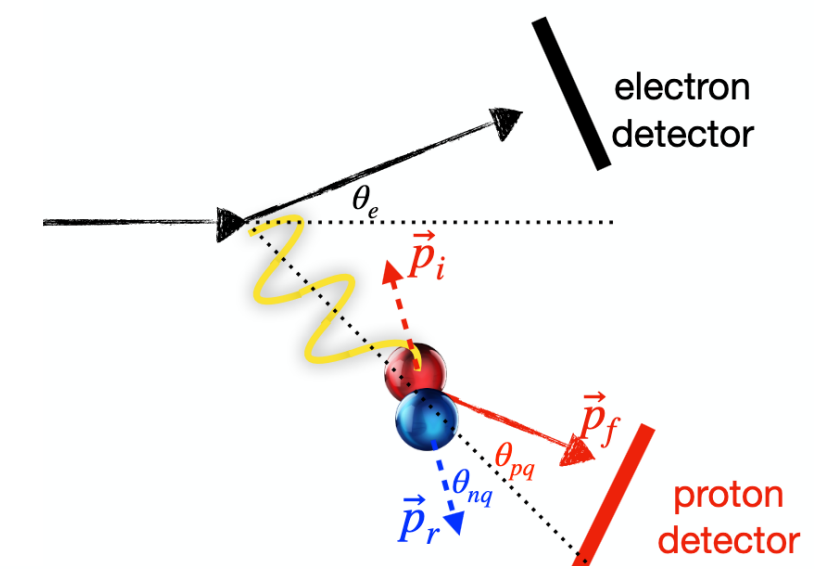
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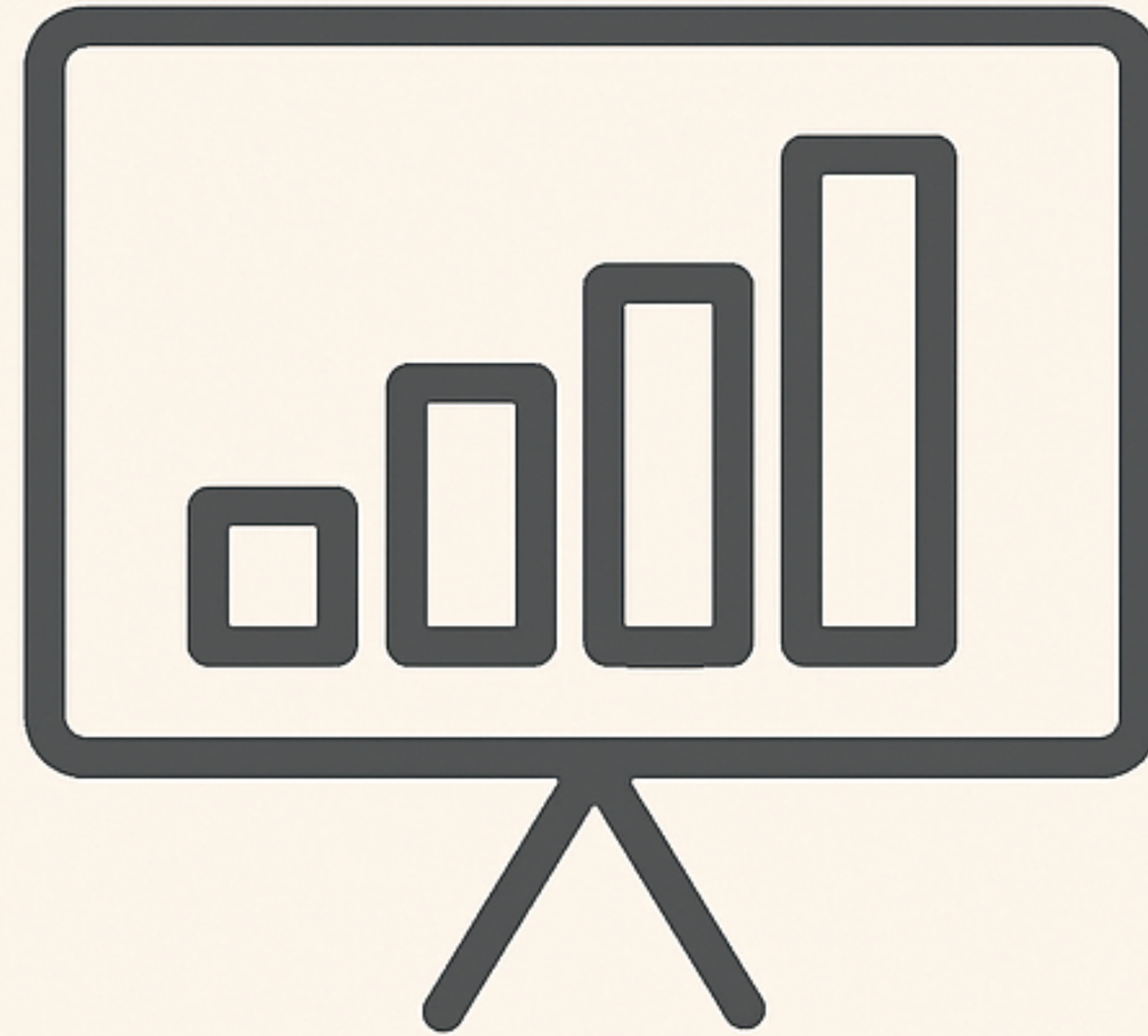
The proposed angular scan will test whether the effect follows the expected FSI pattern or indicates missing reaction mechanisms, such as relativistic effects, isobar currents, or non-nucleonic degrees of freedom

Relativistic dynamics may contribute to the high recoil momenta discrepancy, but their role is not yet established. The proposed data should be shared with theory groups to enable a comprehensive description including FSI, isobar currents, relativistic effects, and possible non-nucleonic contributions



No theoretical calculation reproduces data trend above ~ 750 MeV/c

The anomaly appears very close to the threshold for non-nucleonic transitions (~ 800 MeV/c) in the NN system

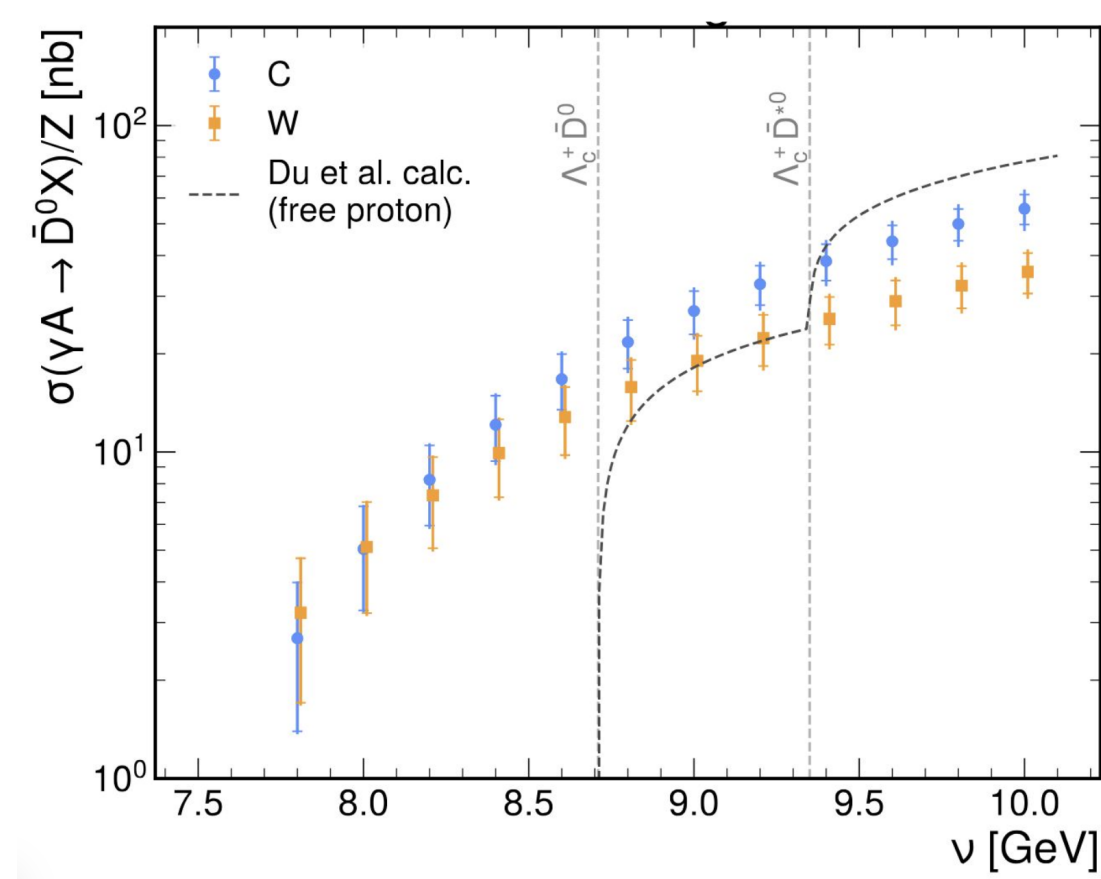
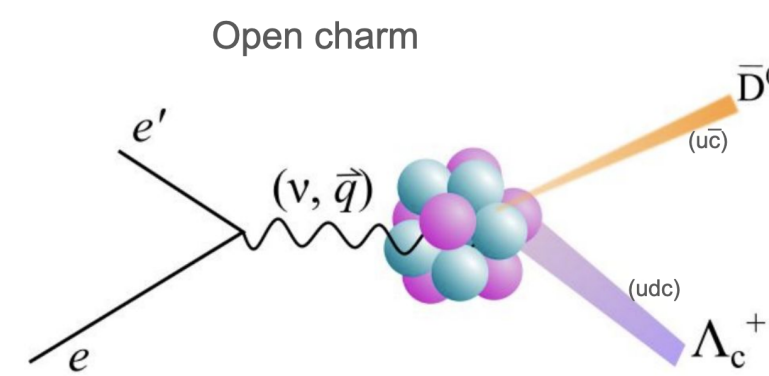


Hadron spectra as probes of
QCD

PR12-26-004 Open Charm at JLab with the sPHENIX MAPS Tracker

Hall-C 27 PAC days

The proposal aims to measure, for the first time, the open-charm photoproduction cross section per proton near threshold using C and W targets, providing new insight into near-threshold J/ψ production and meson-baryon scattering lengths.

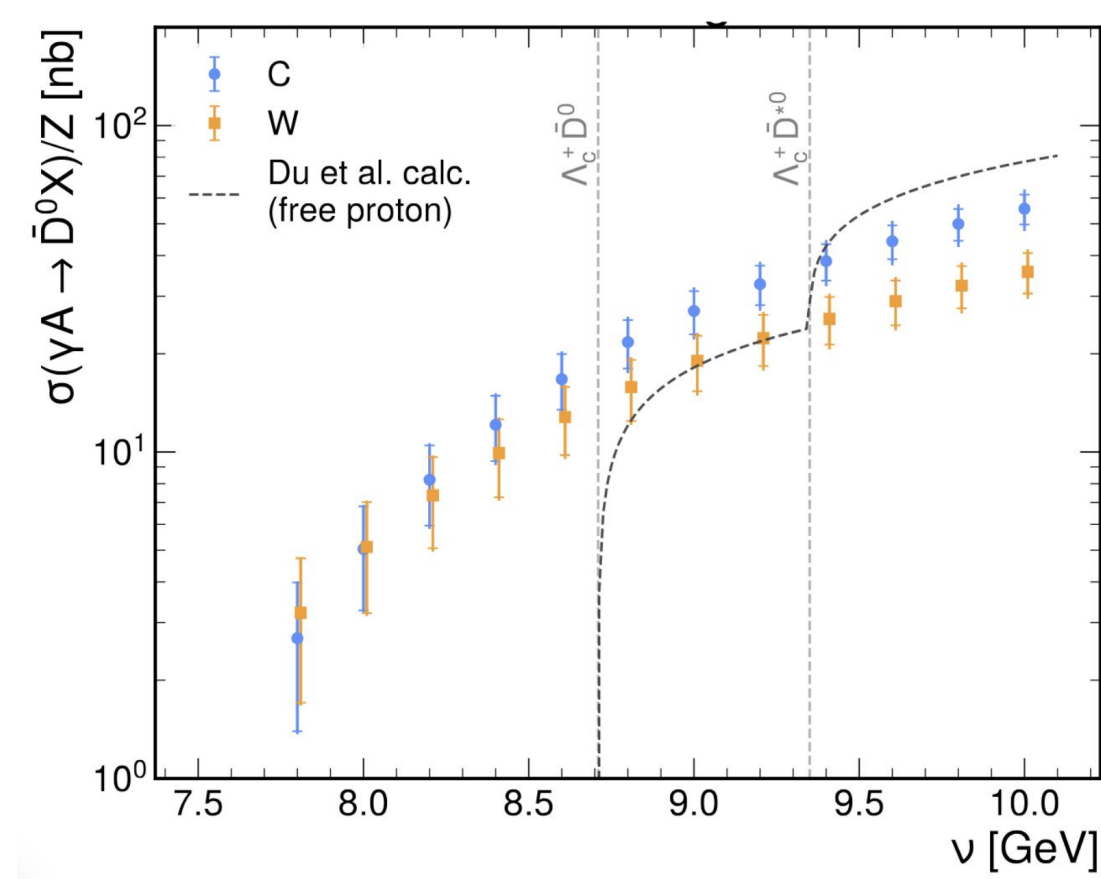
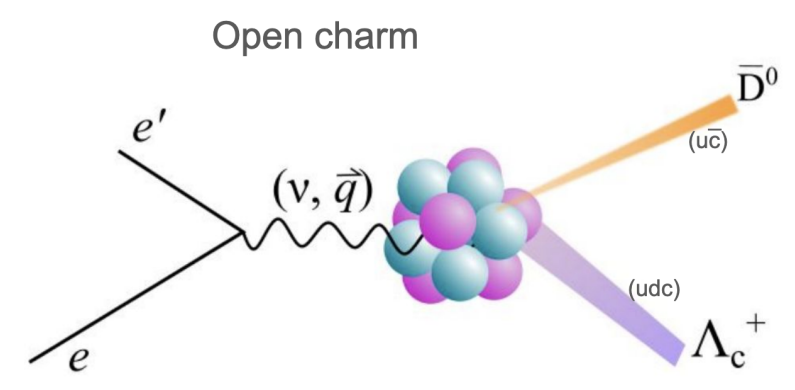


Projection for the statistical and systematic uncertainties for the per-proton cross sections for carbon (blue) and tungsten (orange) targets

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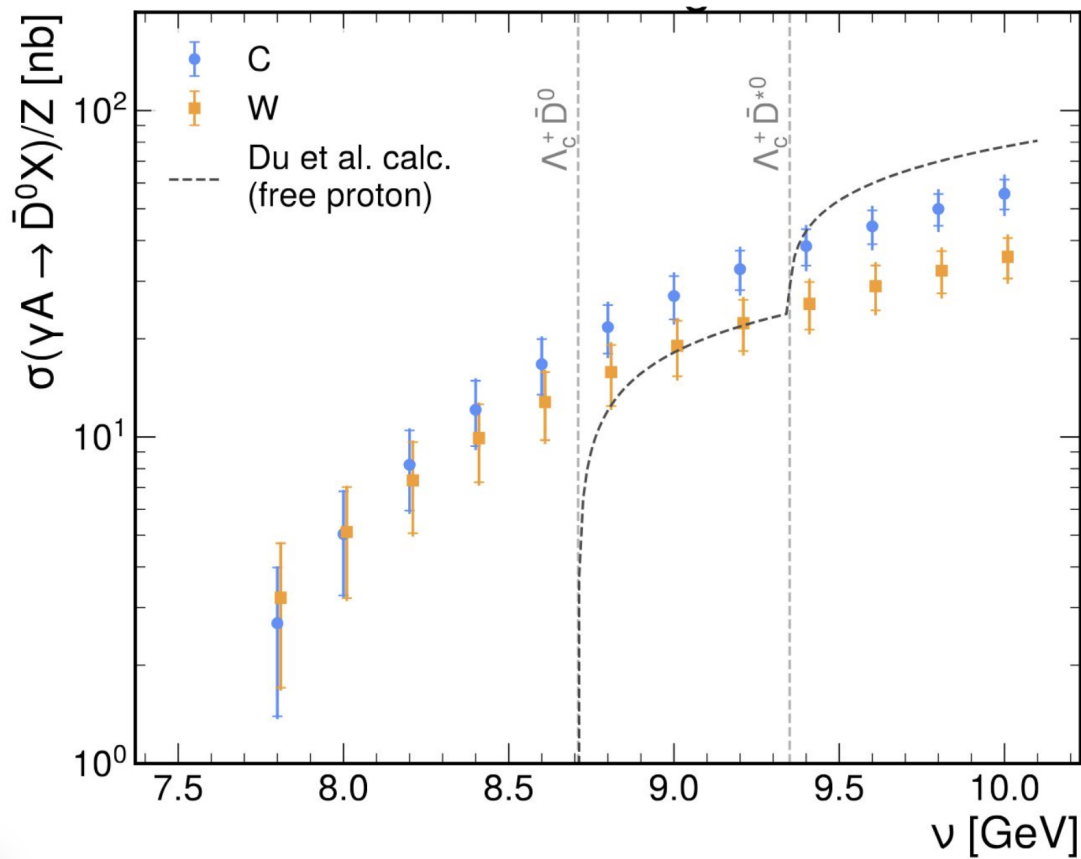
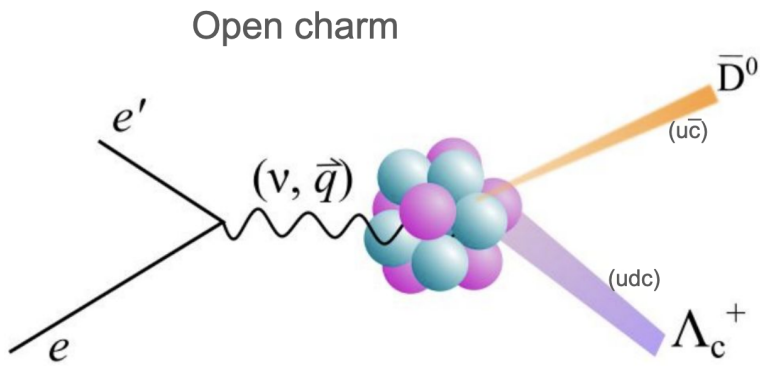
- The proposal is very appealing; however, several aspects require further attention:
- careful assessment of nuclear effects in the extrapolation to a free-p target
 - further development of the target chamber (coordination with JLab t.g.)
 - inclusion of a full CAD model of the MVTX vertex tracker simulations
 - detailed description of the MVTX streaming readout and offline trigger integration with CLAS12

Deferred

PR12-26-004 Open Charm at JLab with the sPHENIX MAPS Tracker

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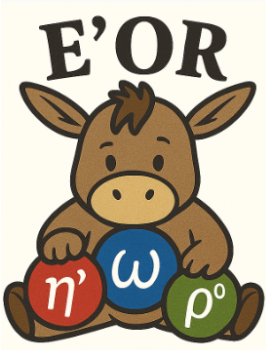


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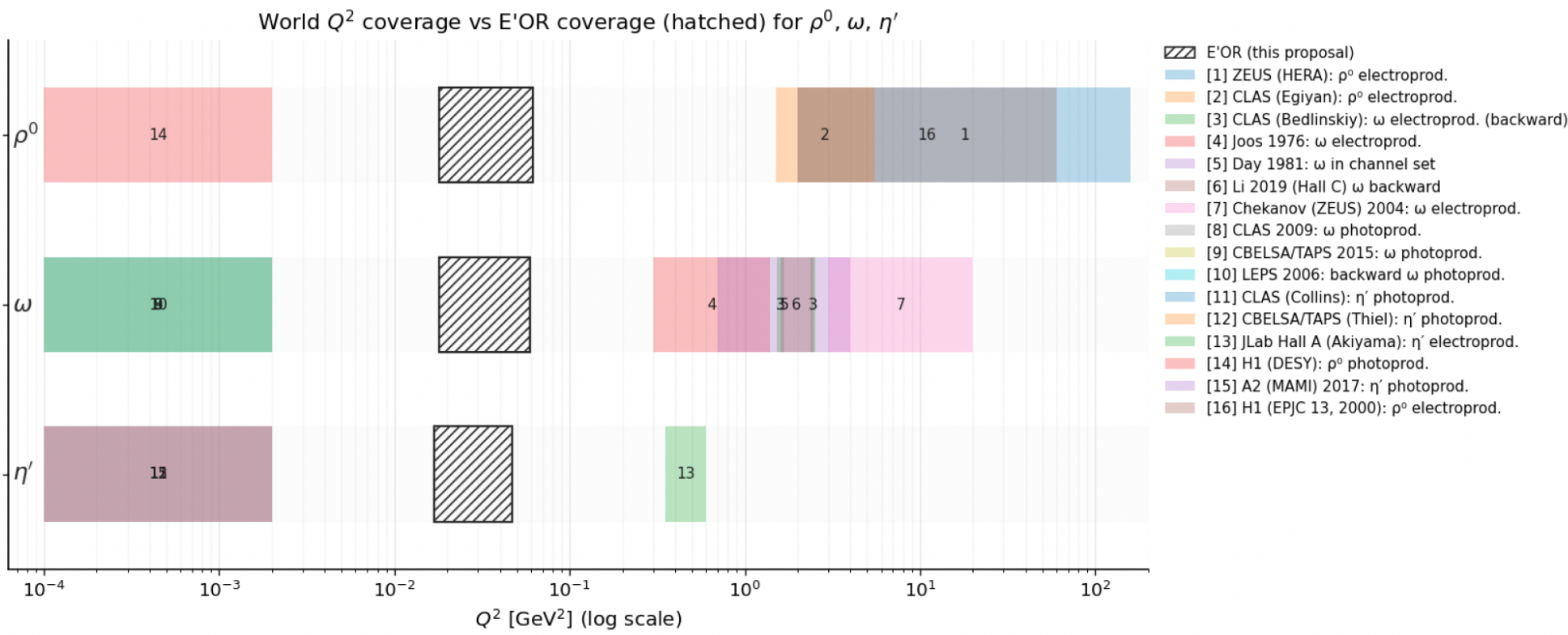
Deferred



PR12-26-010 Measurement of Meson Electrop Differential Cross Sections for η' , ω , and ρ^0 (E'OR) in the Threshold Region Using HKS–HES

Hall-C 13 PAC days

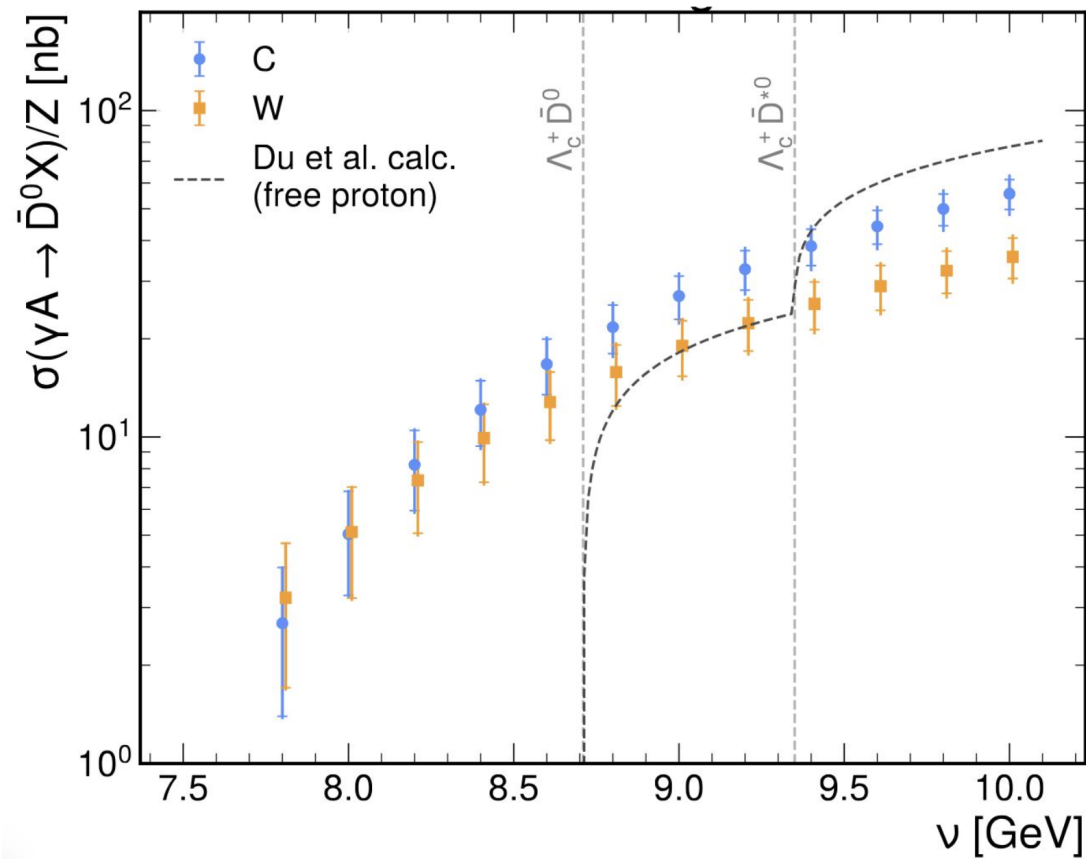
The proposal aims to provide differential cross sections, t-slope parameters, and channel ratios in a poorly explored kinematic region, while testing exchange mechanisms, constraining Regge models, and probing flavor-singlet dynamics in near-threshold η' production



PR12-26-004 Open Charm at JLab with the sPHENIX MAPS Tracker

Hall-C 27 PAC days

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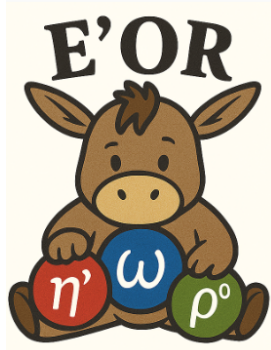


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- further development of the target chamber (coordination with JLab t.g.)
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- detailed description of the MVTX streaming readout and offline trigger integration with CLAS12

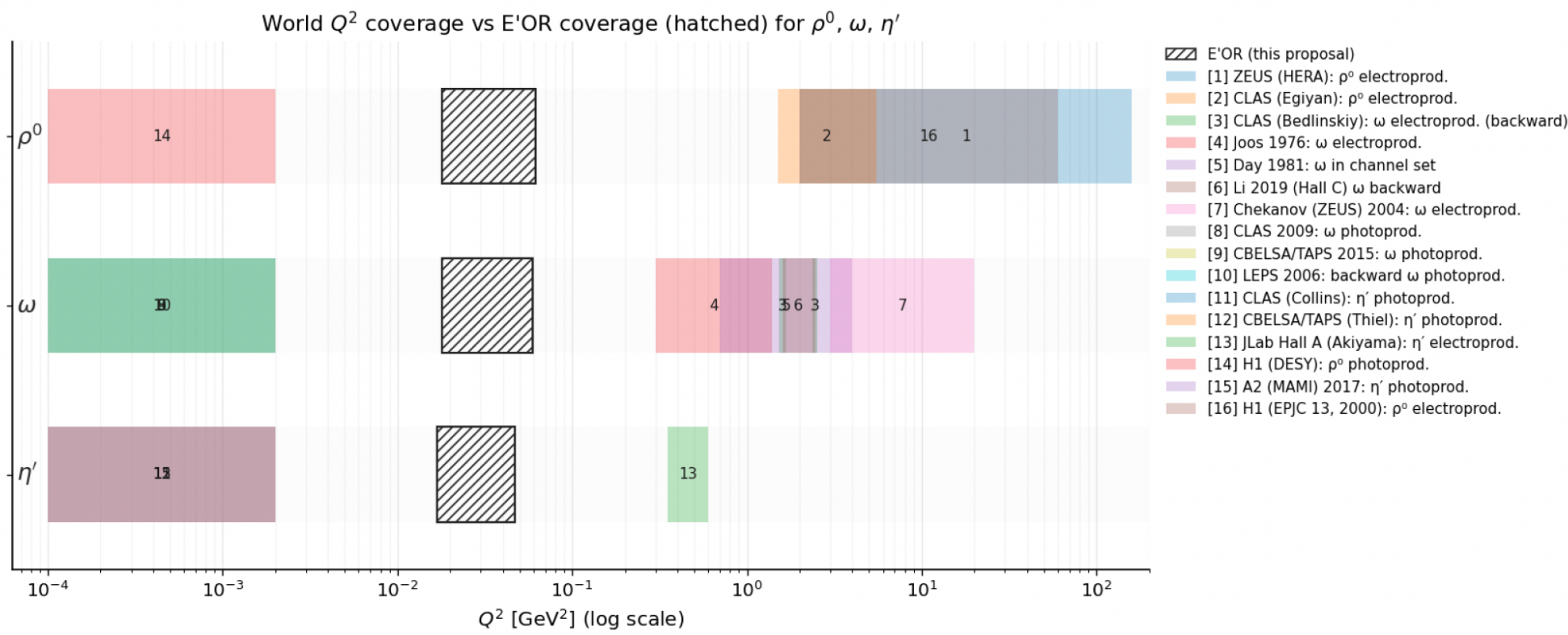
Deferred



PR12-26-010 Measurement of Meson Electrop Differential Cross Sections for η' , ω , and ρ^0 (E'OR) in the Threshold Region Using HKS–HES

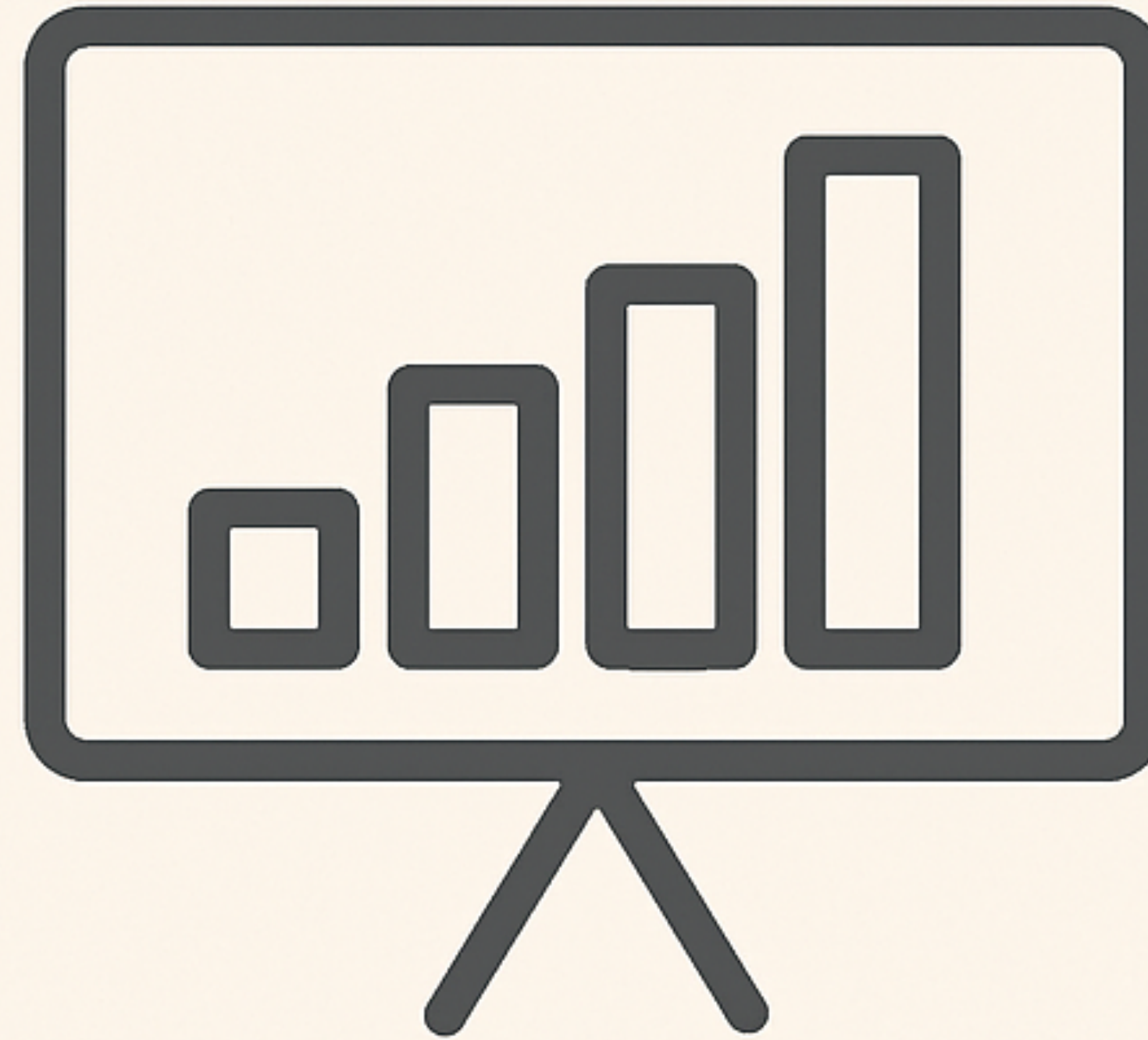
Hall-C 13 PAC days

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The PAC identified several areas where the proposal would benefit from further clarification and additional quantitative support. The PAC also recommends strengthening the theoretical motivation

Deferred



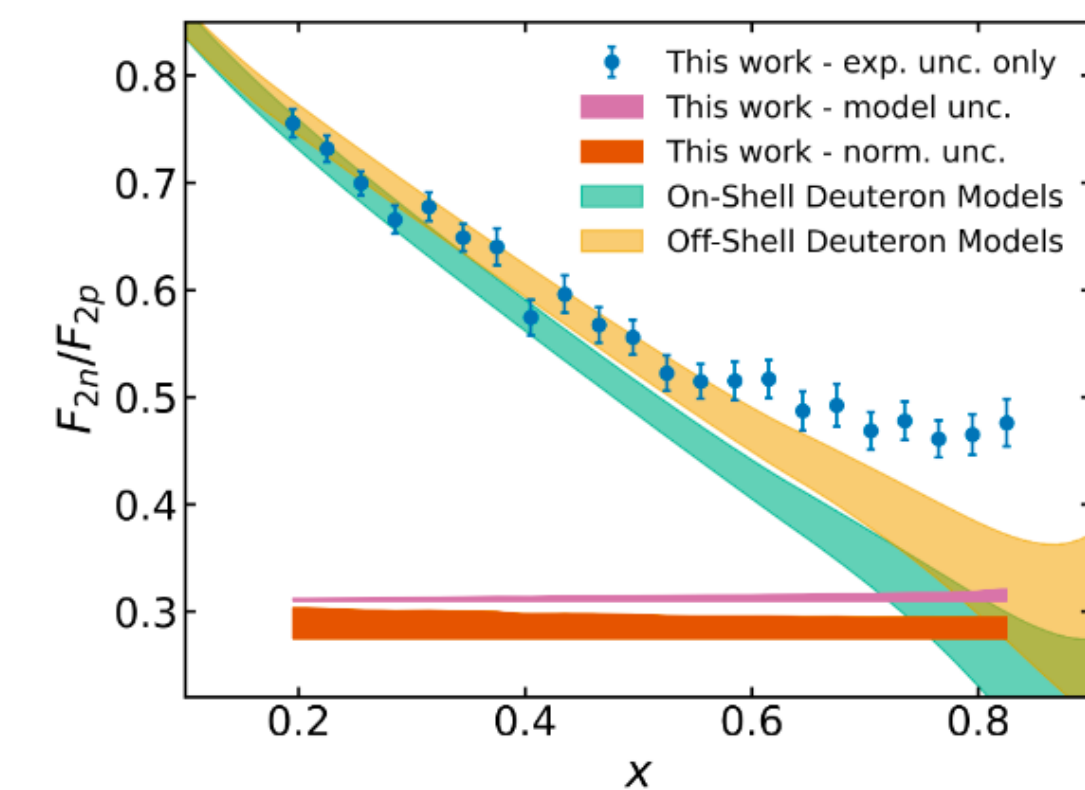
New Run Group Proposals

PR12-26-011 Constraining the flavor content of the nucleon and flavor-dependent nuclear effects in the mirror nuclei ^3H and ^3He

Hall-C 60(+4) PAC days

This proposal aims at a better understanding of isospin-dependent effects by measuring inclusive DIS cross sections for ^3He , ^3H , and ^2H , taking advantage of the HMS spectrometer in Hall C.

Without additional data on the flavor-dependent effects, past and future extractions of structure-function and PDF ratios may be unreliable



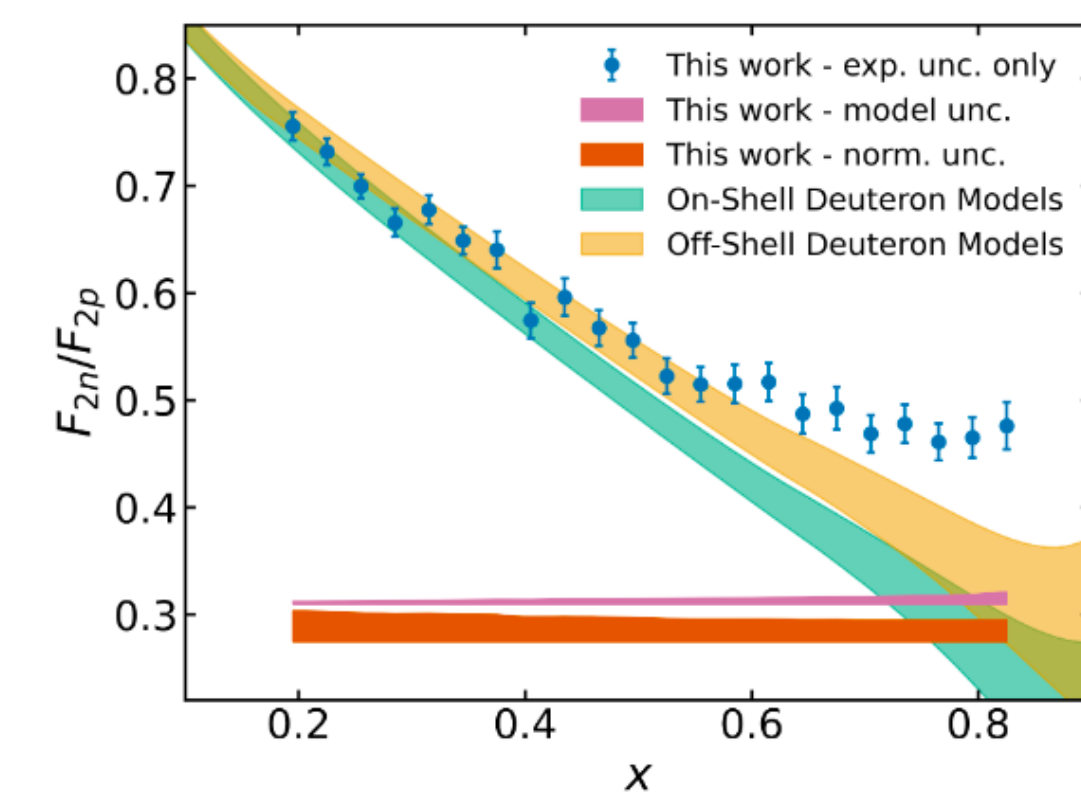
F_2^n/F_2^p extracted from MARATHON (black circles) compared to projected uncertainty of the proposed measurements (blue squares)

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Dedicated studies on possible backgrounds with the final collimator design are recommended

Considering the impact of the measurement on our understanding of a textbook quantity, the efforts of installing a ^3H target in Hall C seem justified

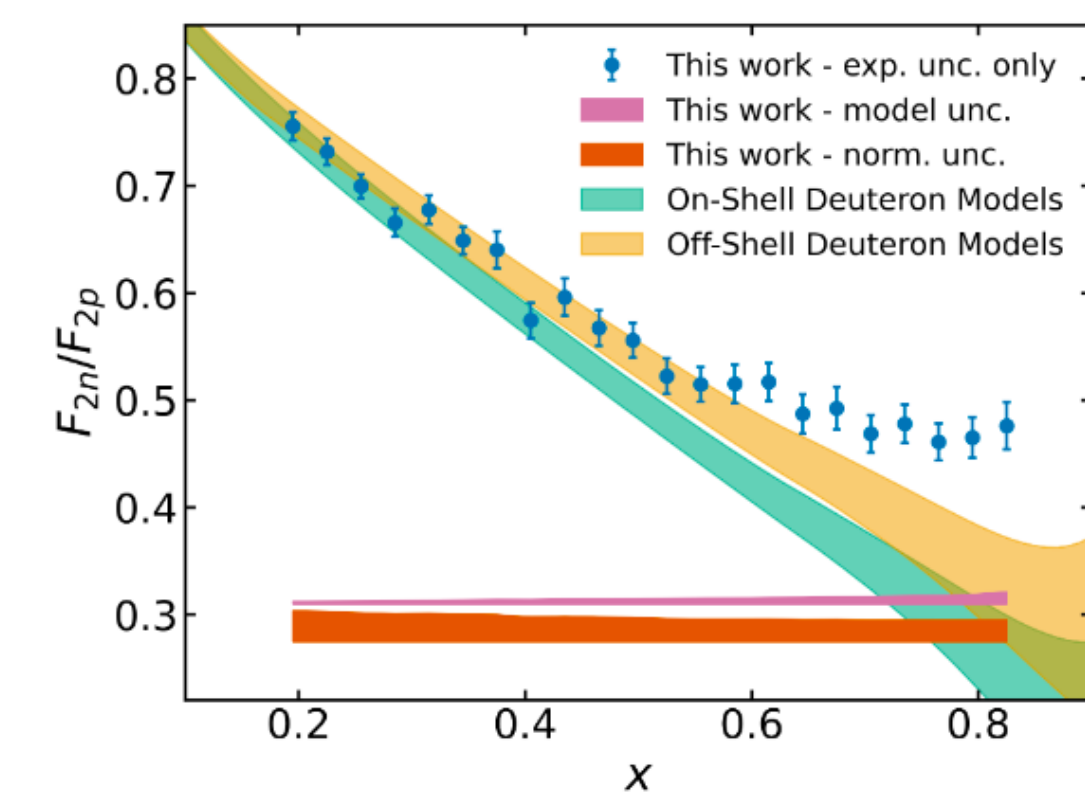
Conditionally Approved (C1: readiness of the ^3H target)
Scientific Rate A-

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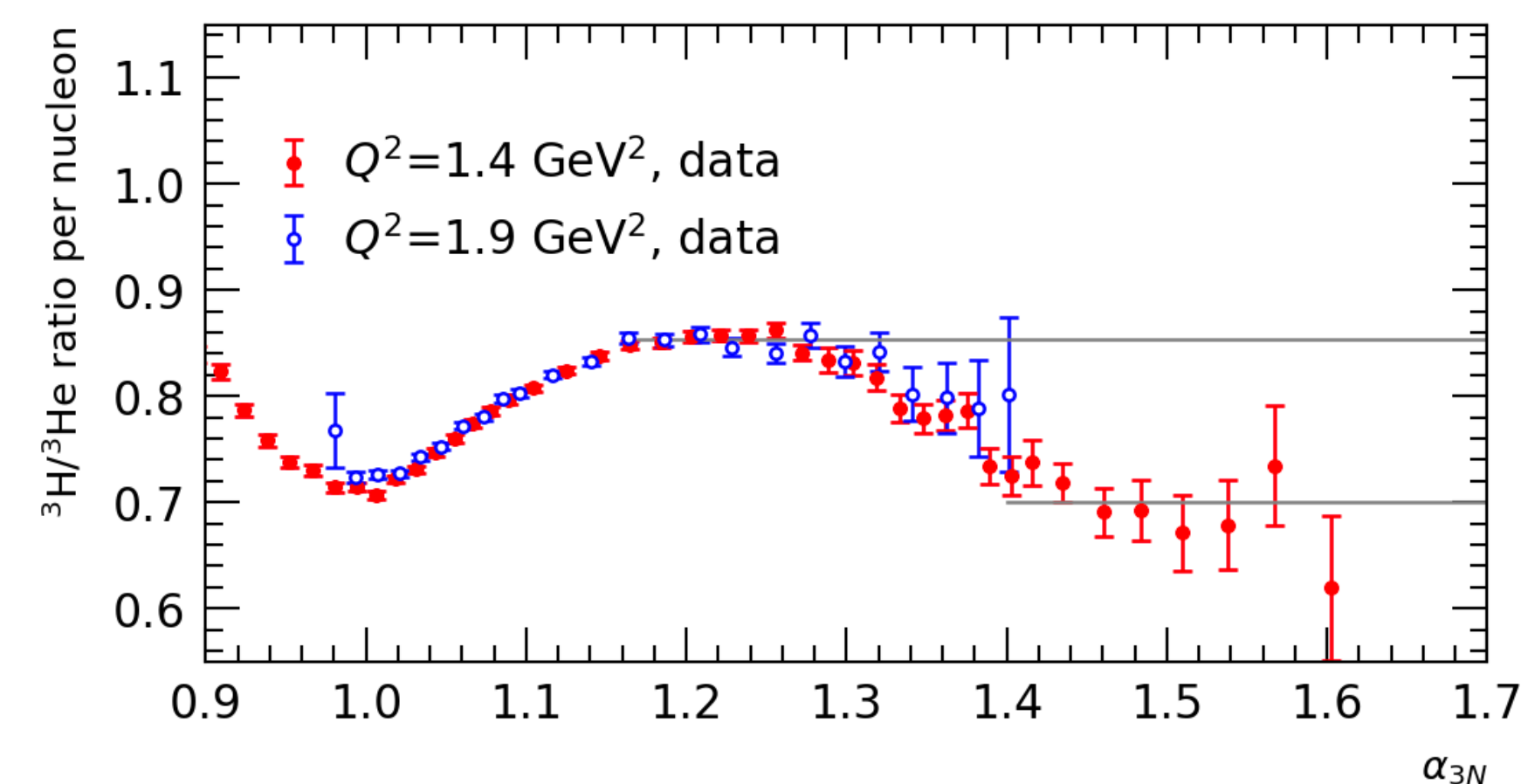
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Conditionally Approved (C1: readiness of the ^3H target)
Scientific Rate A-

PR12-26-012 Probing the isospin and momentum structure of three-nucleon short-range correlations in the $^3\text{H}/^3\text{He}$ mirror system

Hall-C 60 PAC days

The proposed experiment will measure the ratio of the inclusive electron scattering cross sections on ^3H and ^3He targets to investigate 3N SRC



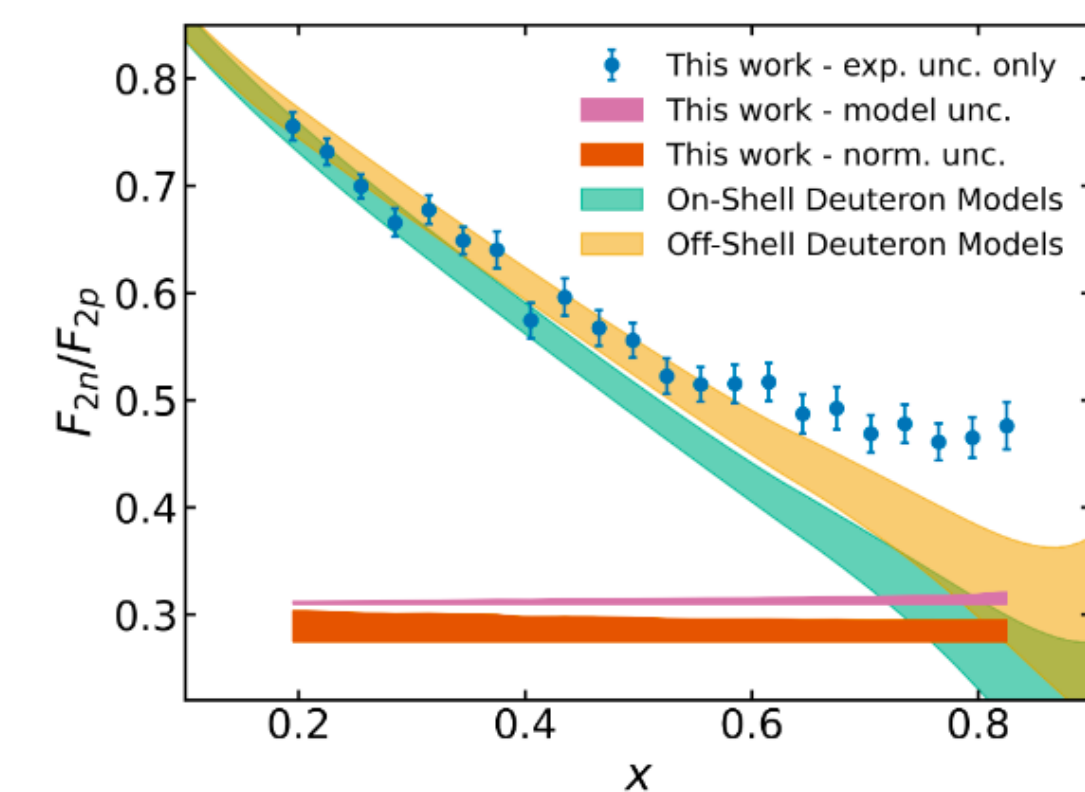
$^3\text{H}/^3\text{He}$ ratios. The two horizontal lines indicate the average ratio at the 2N-SRC region and the prediction of 3N-SRC ratio

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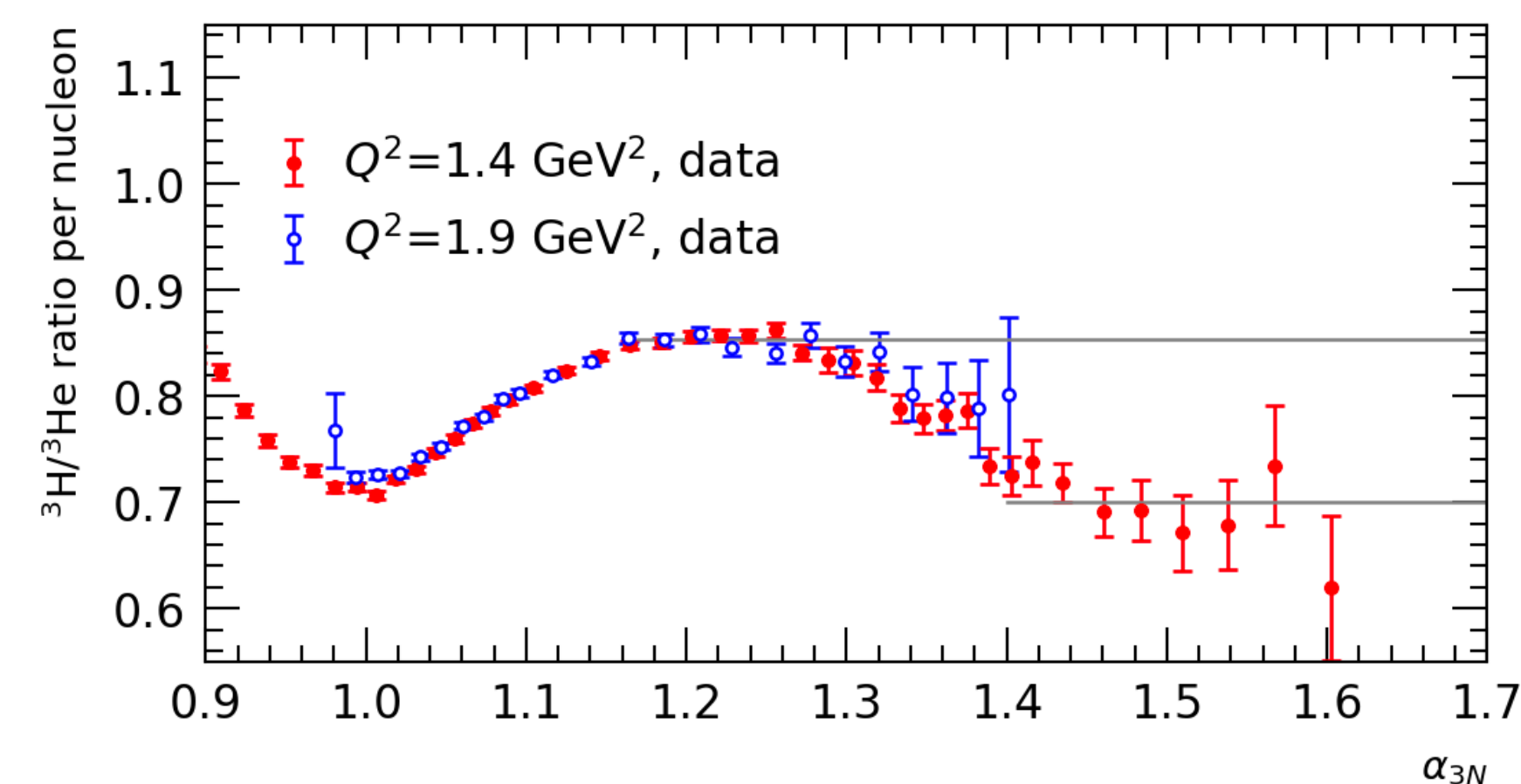
Considering the impact of the measurement on our understanding of a textbook quantity, the efforts of installing a ^3H target in Hall C seem justified

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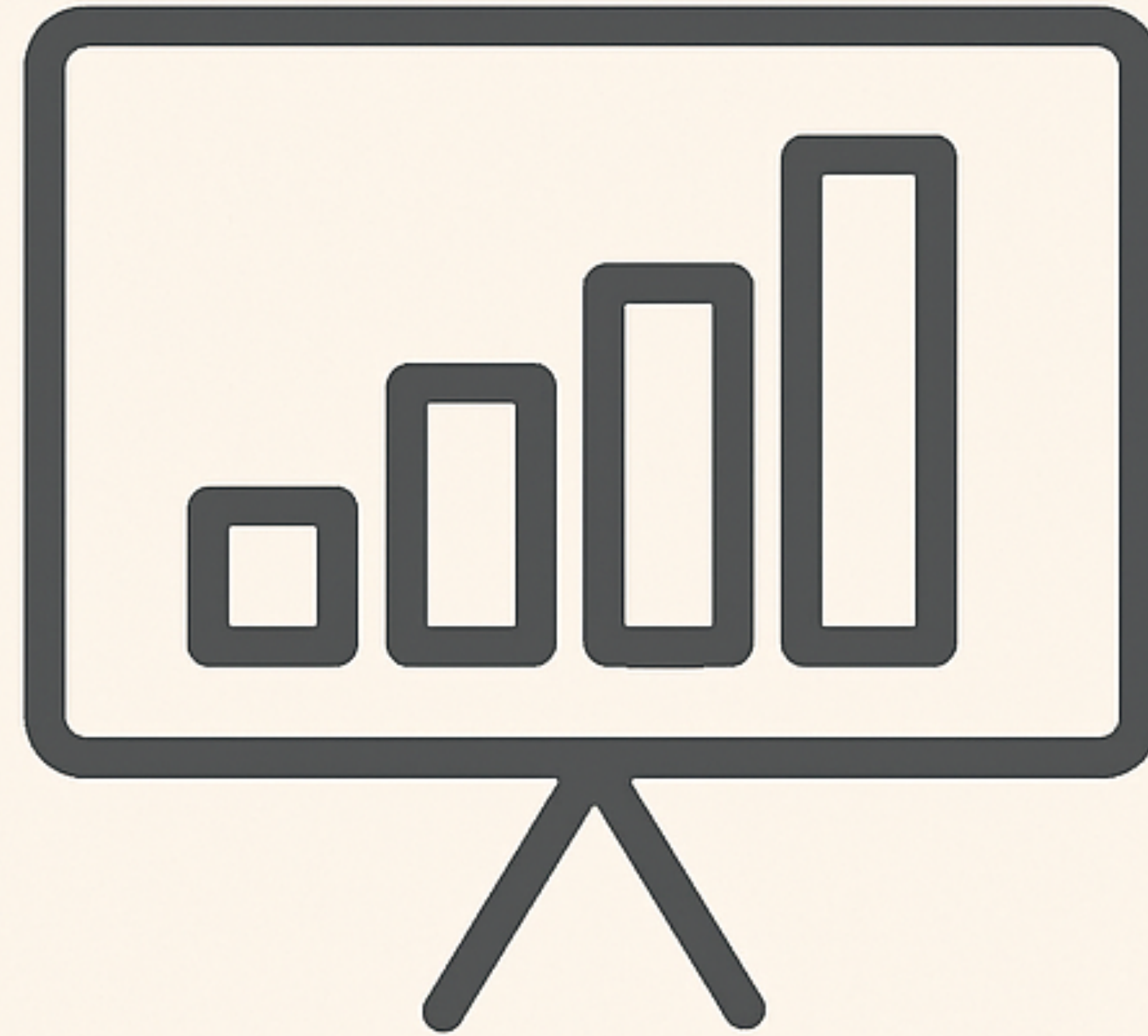


$^3\text{H}/^3\text{He}$ ratios. The two horizontal lines indicate the average ratio at the 2N-SRC region and the prediction of 3N-SRC ratio

Systematic effects appear to be under control, although they have not yet been fully evaluated with Monte Carlo simulations. Additional simulations with the final collimator design are needed.

The PAC recognizes the potential to discover 3N-SRC scaling and shed light on its underlying mechanism. Given the potential impact of the measurement, the installation of a tritium target in Hall C appears justified

Conditionally Approved (C1: readiness of the ^3H target)
Scientific Rate A-

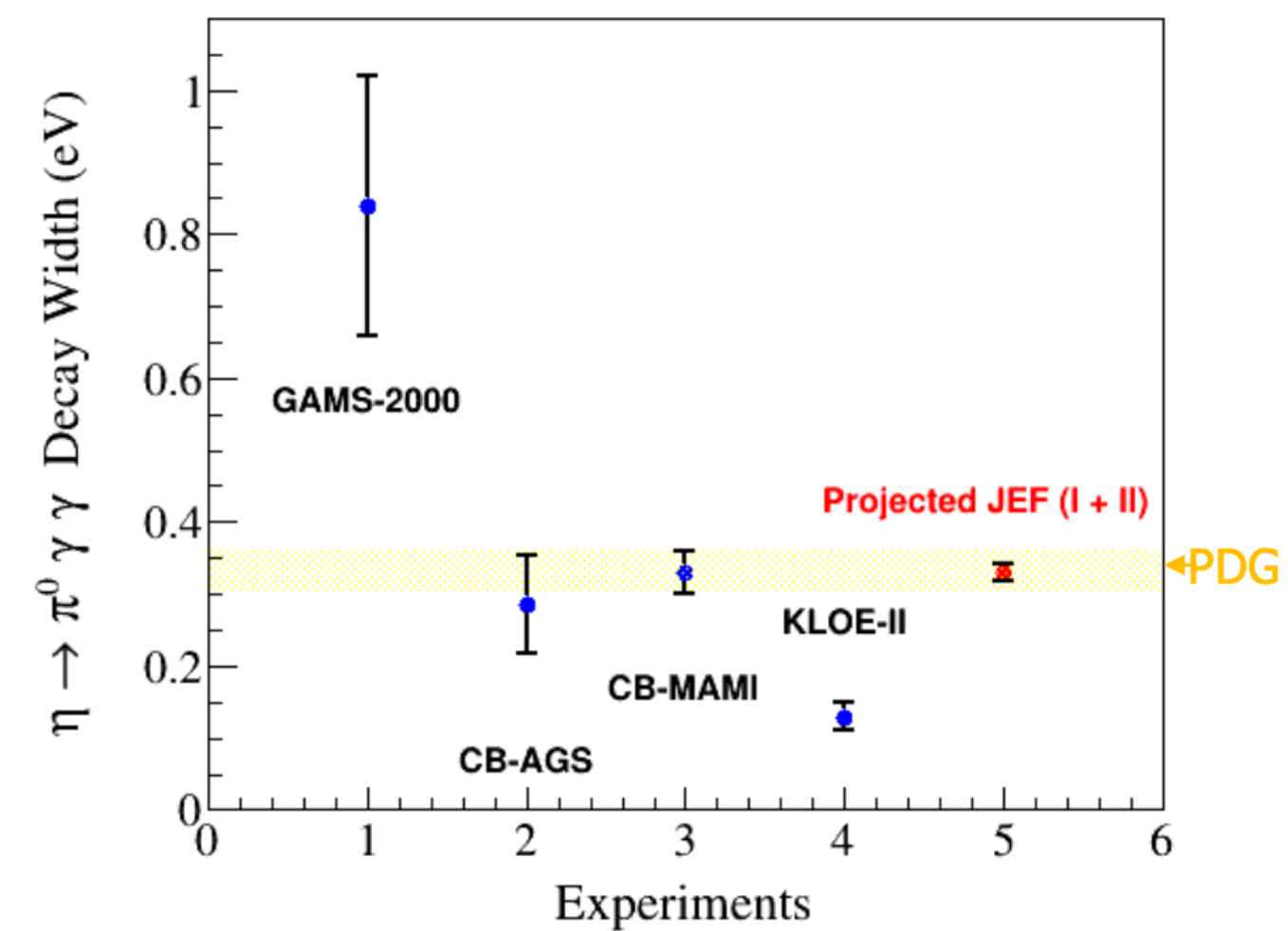


Run Group Proposals

E12-11-006A JEF-II: an Extension of the JLab Eta Factory Experiment

Hall-D 200 PAC days

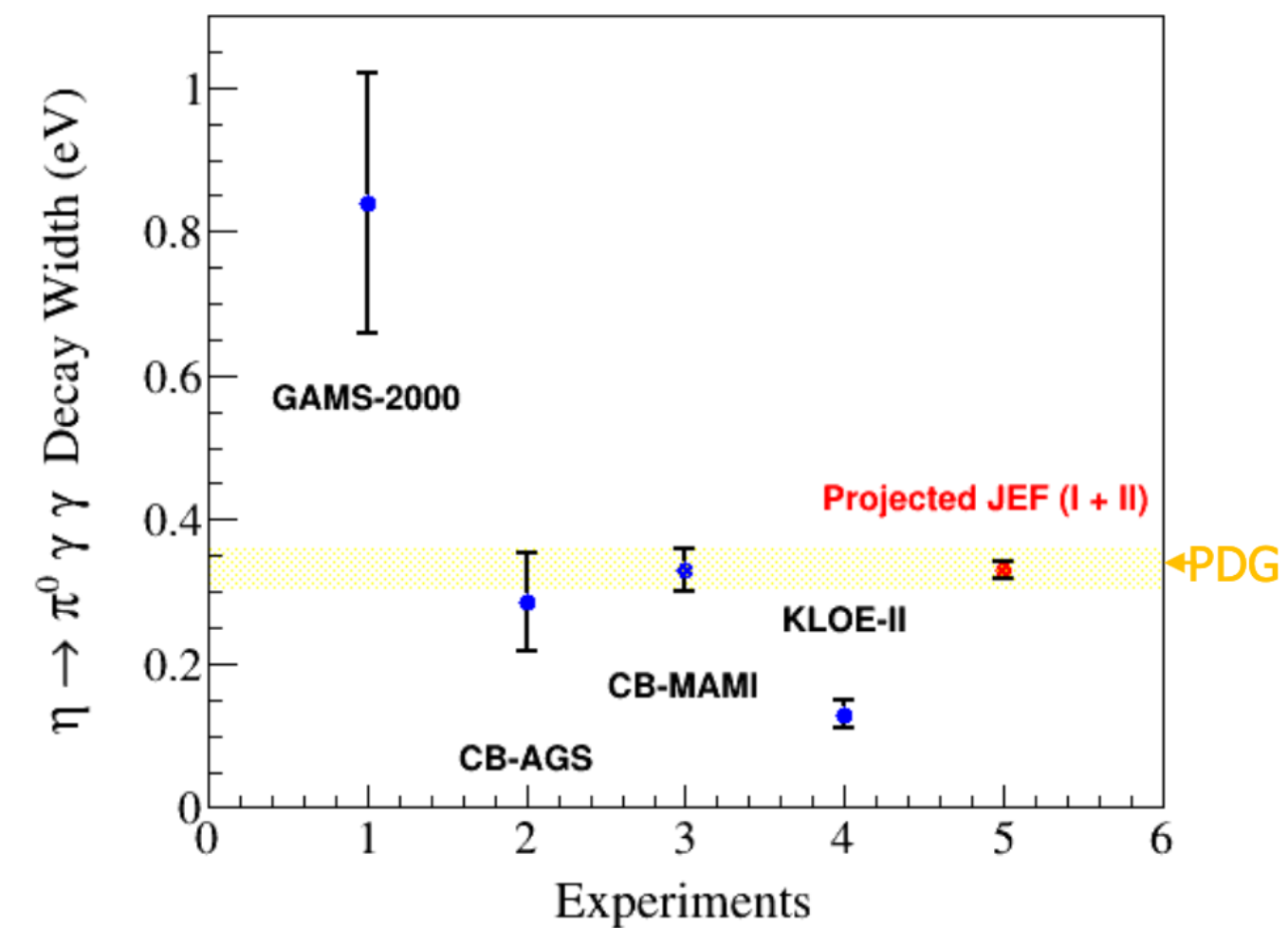
The proposal requests a no-cost extension of the JLab Eta Factory (JEF-I) program to run in parallel with GlueX-III. The goal is to increase the data set by a factor of four, enhancing sensitivity to rare η and η' decays relevant to hidden-sector searches, symmetry tests, and low-energy QCD. The PAC finds this a scientifically attractive and cost-effective opportunity that exploits the FCAL-II upgrade and provides a unique capability for studying rare neutral decays through boosted η mesons.



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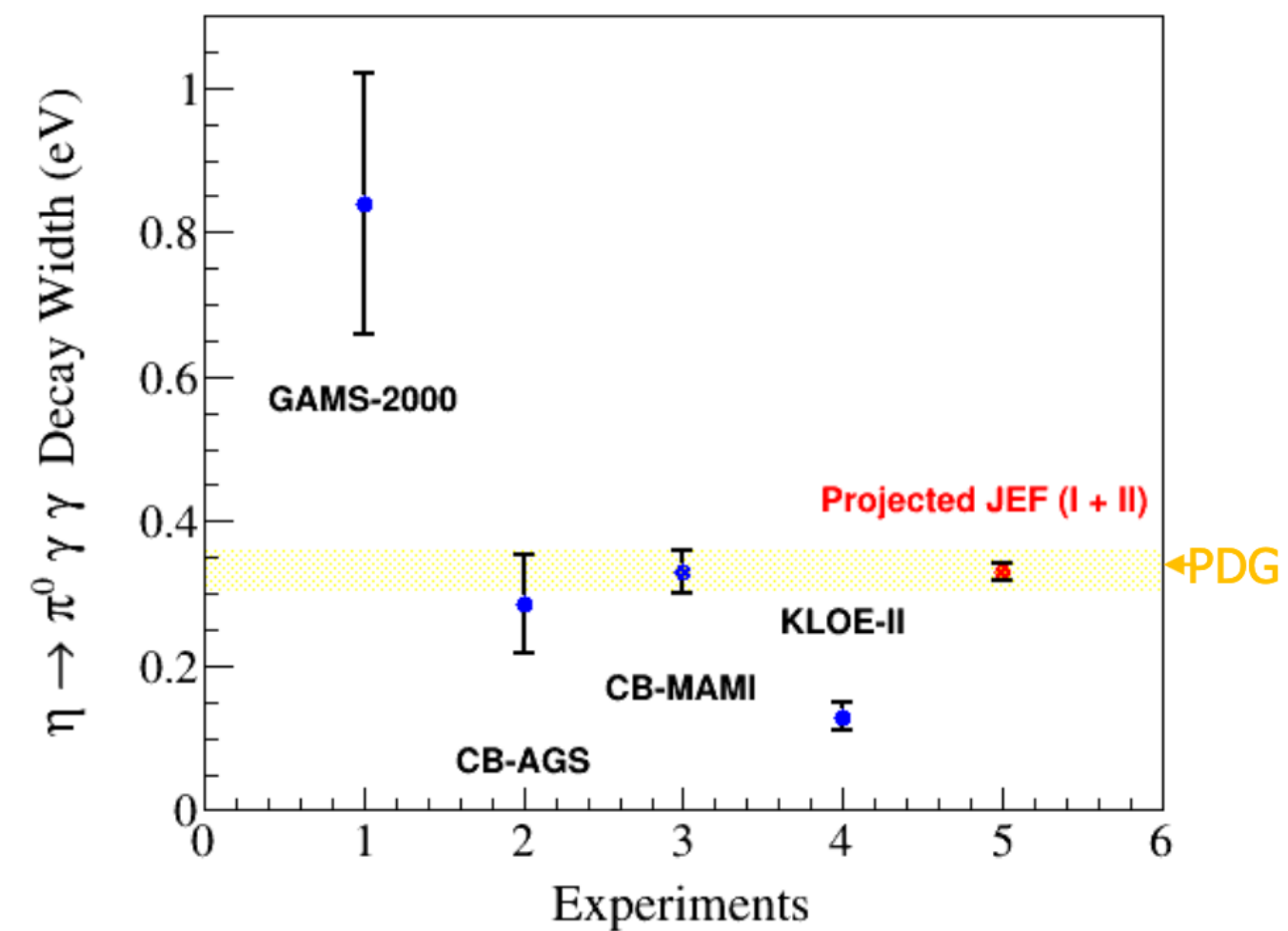
The PAC encourages the collaboration to continue studies of the GlueX-III running conditions, including the impact of the GEMTRD and higher rates on the remaining high-priority neutral channels, building on the promising results presented

Endorsed

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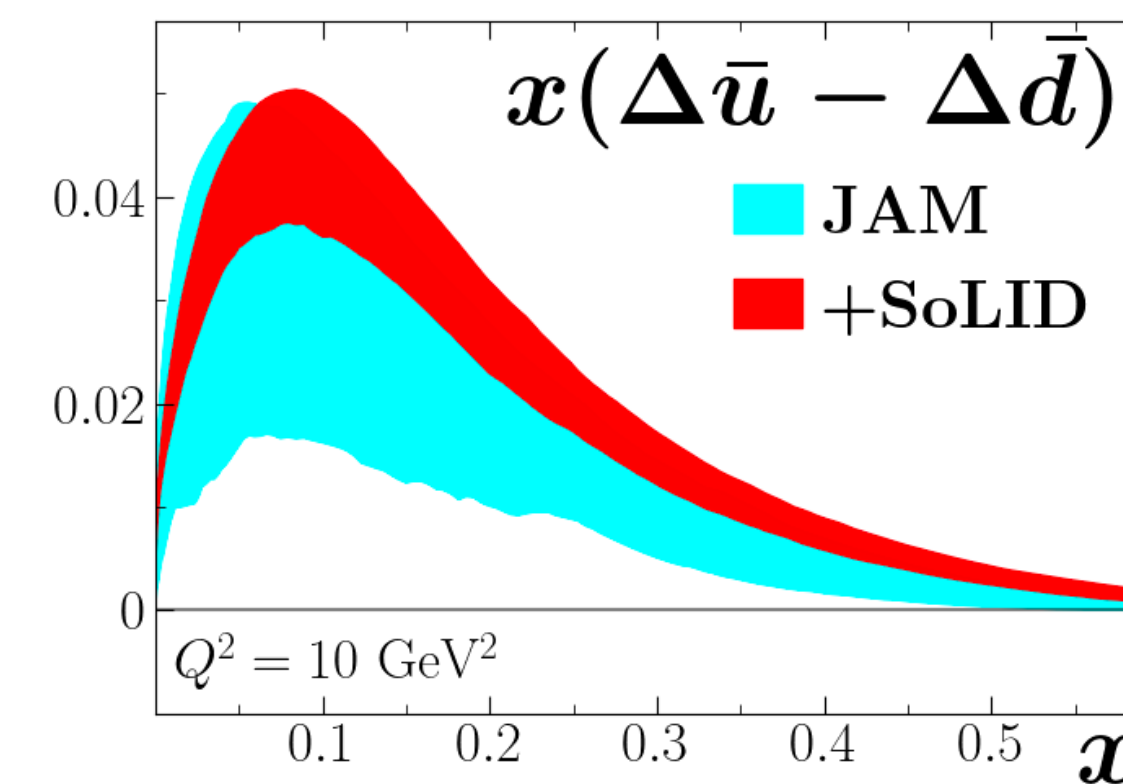
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Endorsed

E12-11-007A Studying the Light Sea Quark Asymmetry Using the Semi-Inclusive Deep-Inelastic Scattering (SIDIS) with the SoLID using a Longitudinally Polarized ^3He Target at 11 GeV

Measurement of the double spin asymmetry $A_{||}$ in a fully polarized SIDIS process on a ^3He target, parasitically running with the approved experiment E12-11-007.

It will extract light-quark helicity PDFs and polarized sea-quark asymmetries at intermediate-to-high x , addressing the flavor structure of the polarized light-quark sea

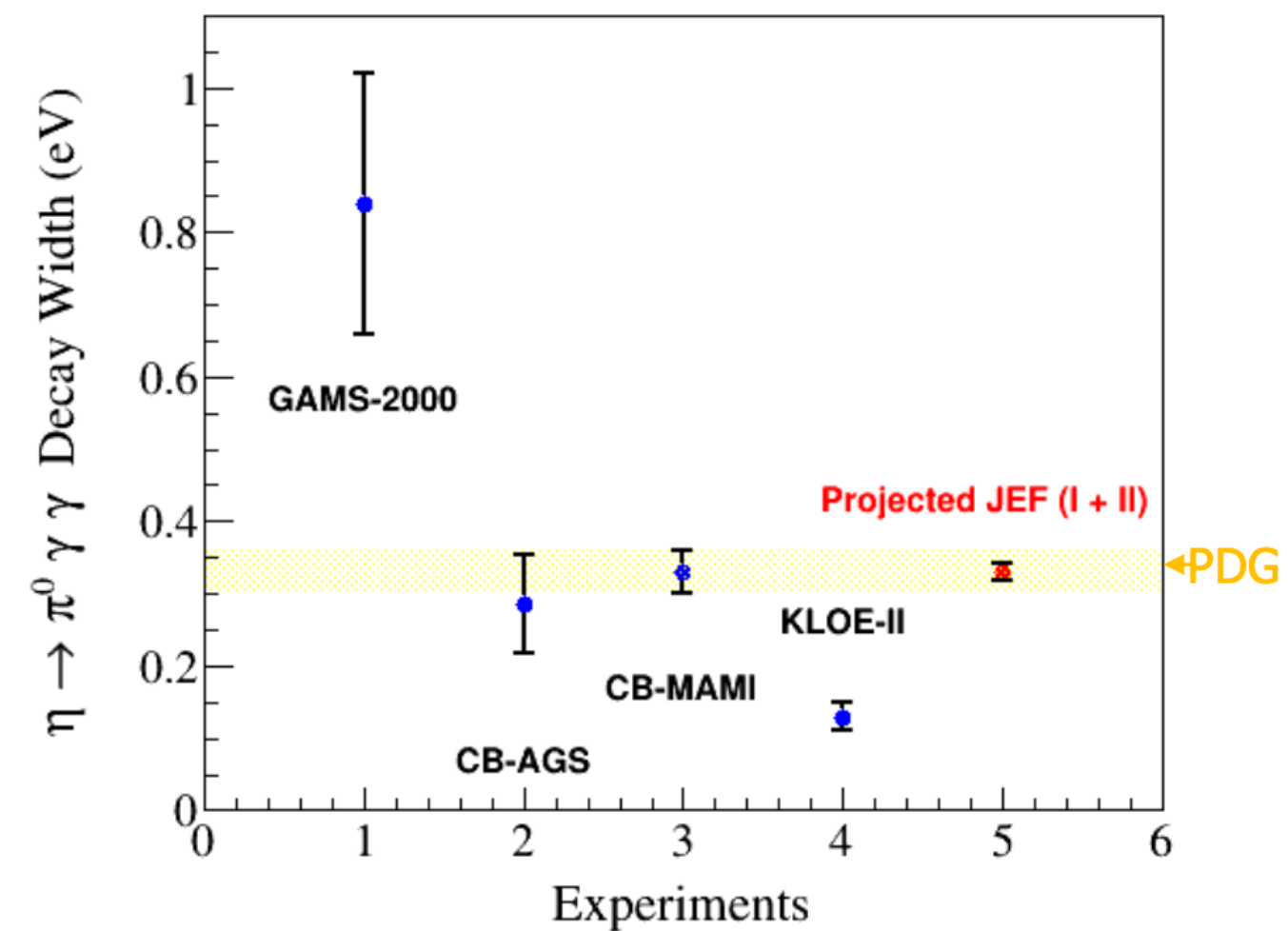


Results for the sea
asymmetry
 $x(\Delta \bar{u}(x) - \Delta \bar{d}(x))$

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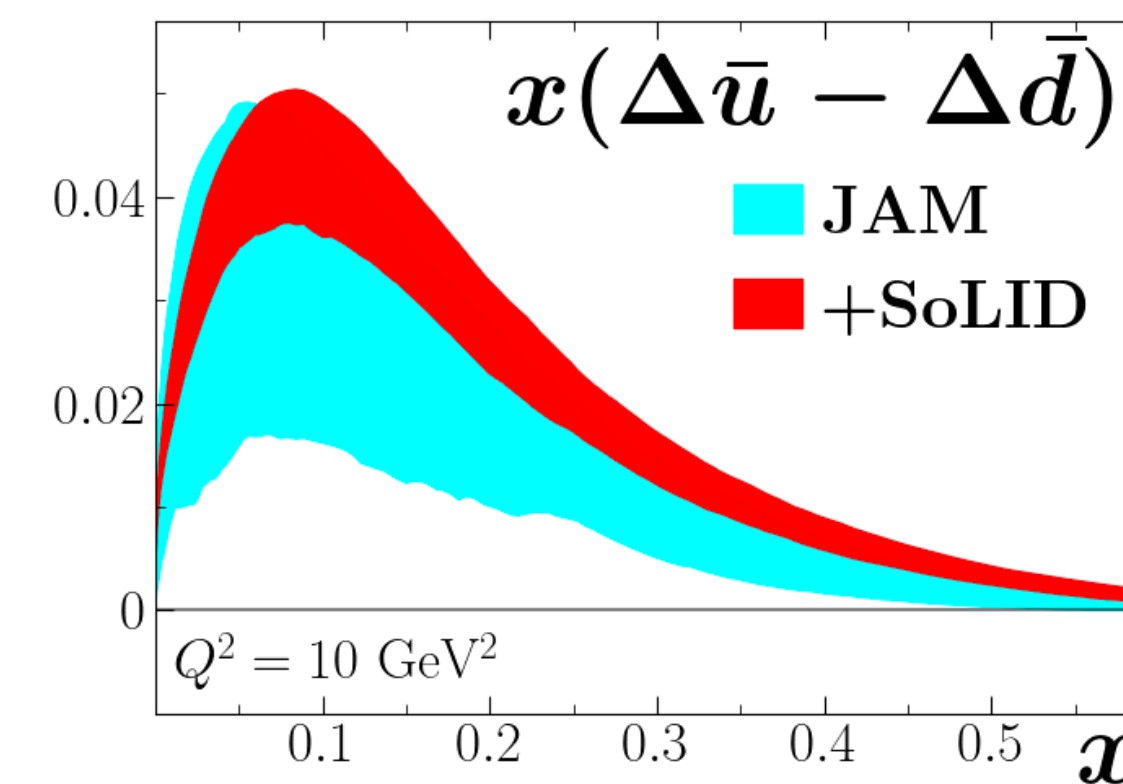
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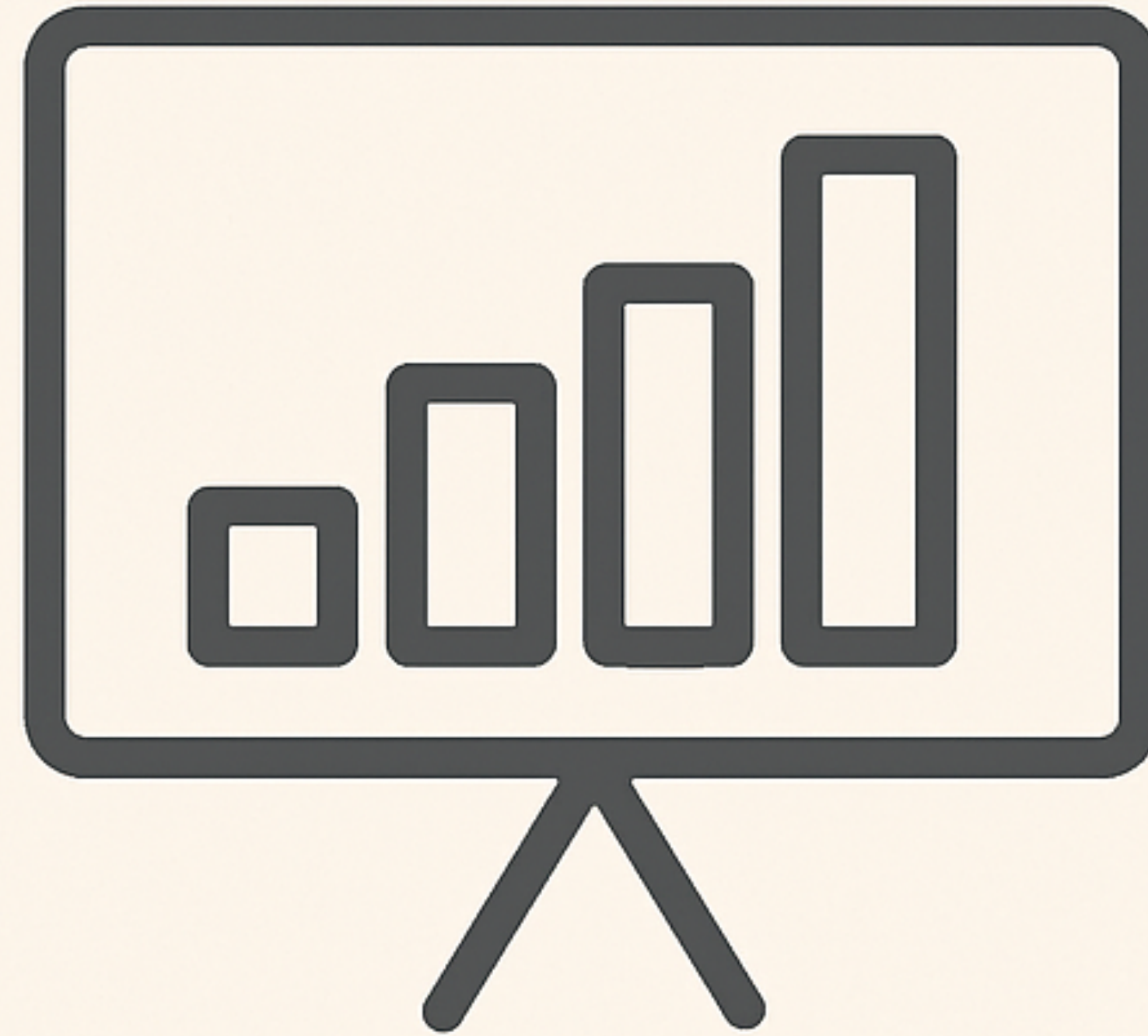
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Results for the sea
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The PAC considers the physics goal of the proposal important and valid, and encourages the proponents to pursue it while addressing the recommendations

Endorsed

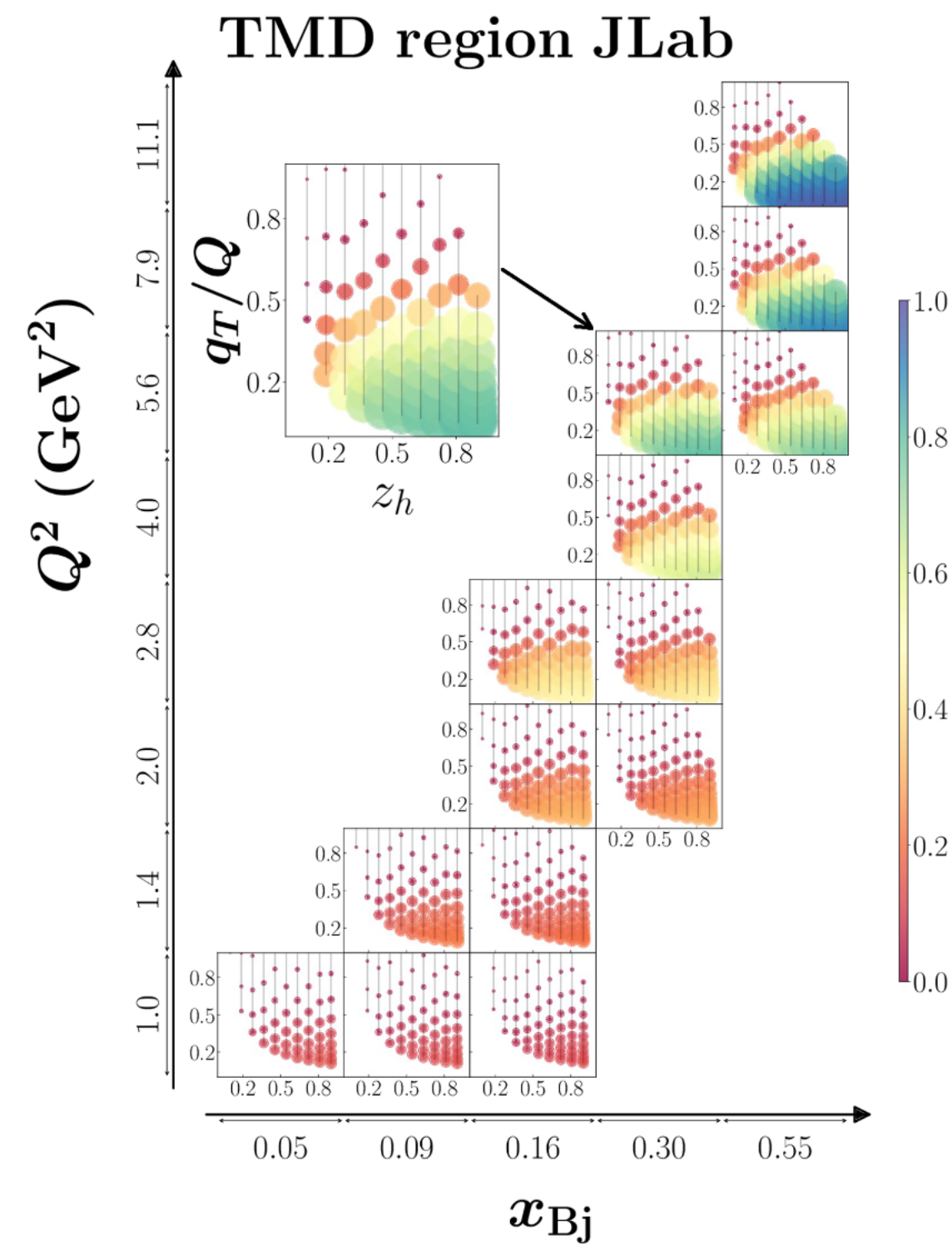


Jeopardy

J12-26-001 Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized He-3 Target Using the BigBite and Super BigBite Spectrometers in Hall A

Hall-A 64 PAC days

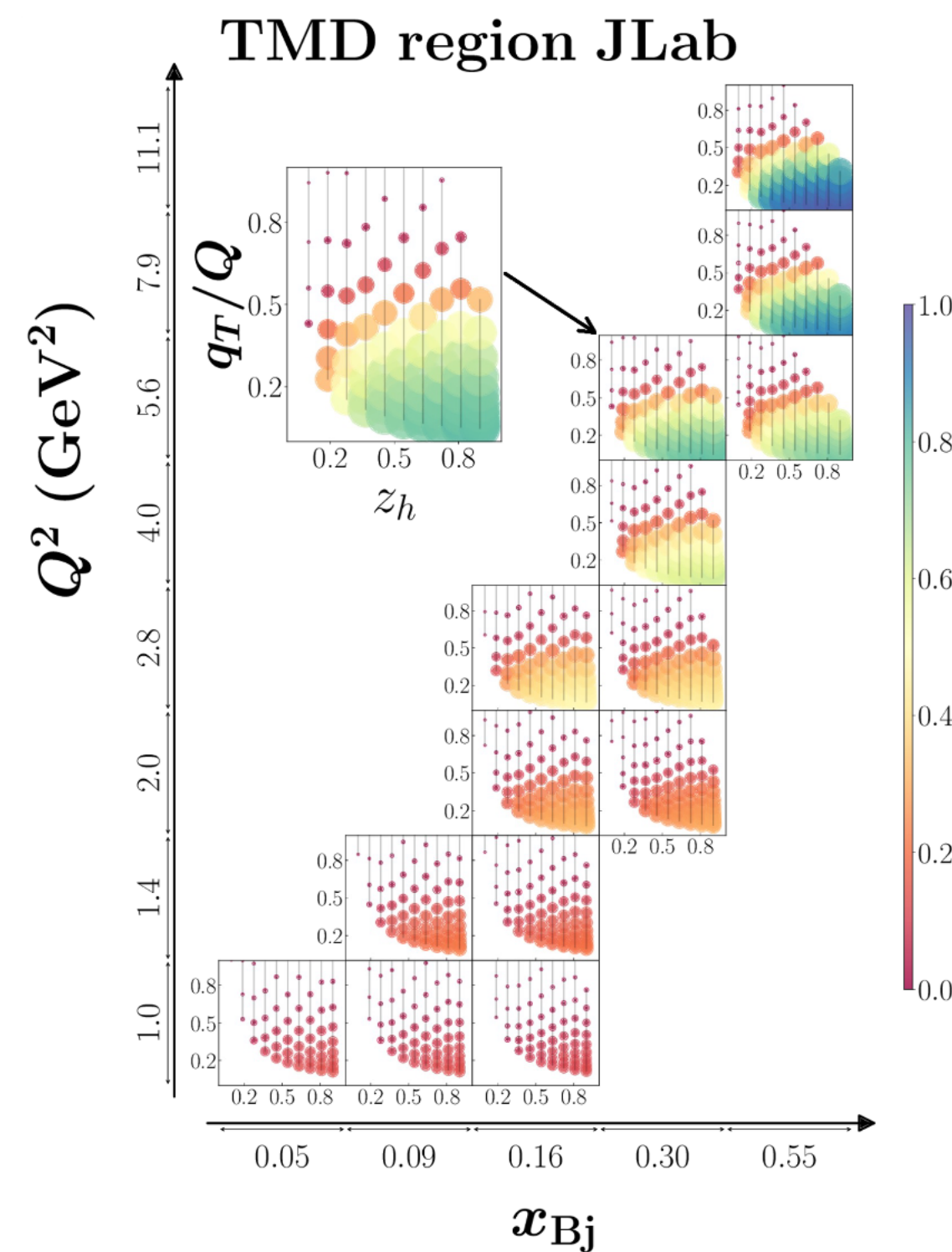
The scientific case remains strong and has not been superseded. Since the original approval and the previous jeopardy review, the broader interest in TMDs and nucleon femtography has increased, while precise neutron SIDIS data at high x remain unavailable



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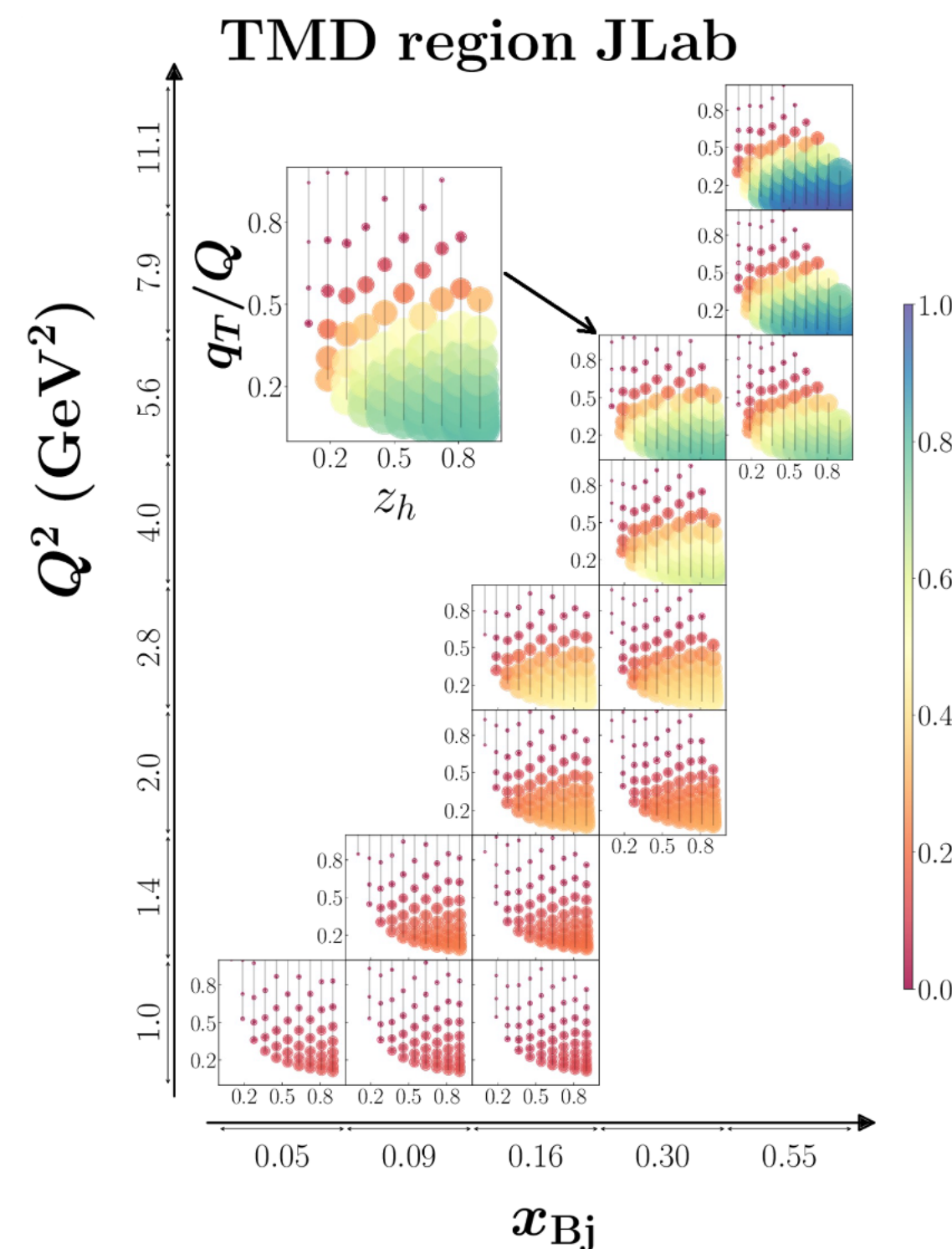
The experiment remains scientifically well motivated and technically mature

Stay active - Scientific Rate increased from A- to A

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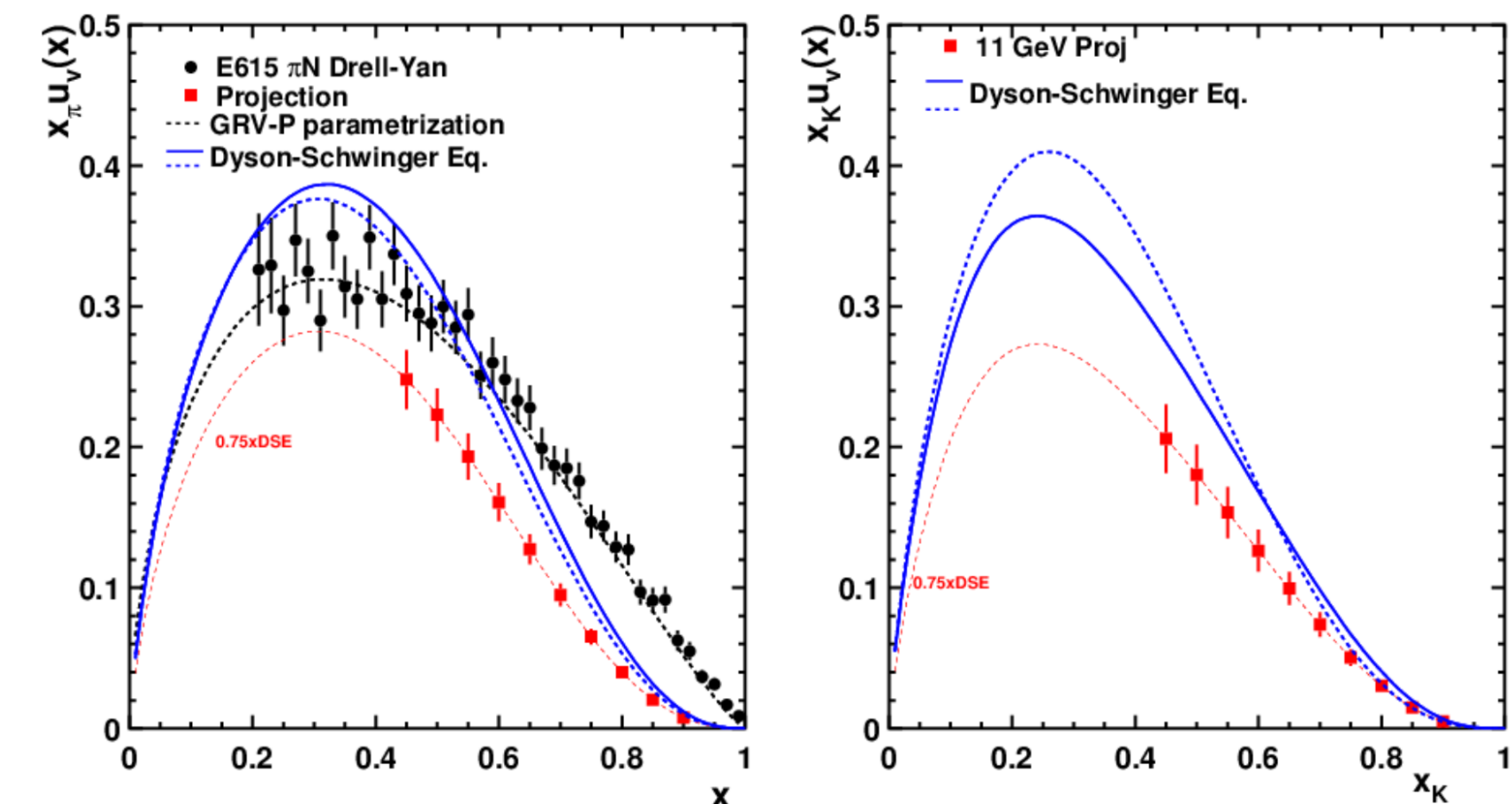


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J12-26-002 Measurement of Tagged Deep Inelastic Scattering

The experiment aims to probe the mesonic content of the nucleon through the Sullivan process in which an electron scatters from the meson cloud of the nucleon: this is a pioneering and challenging experiment



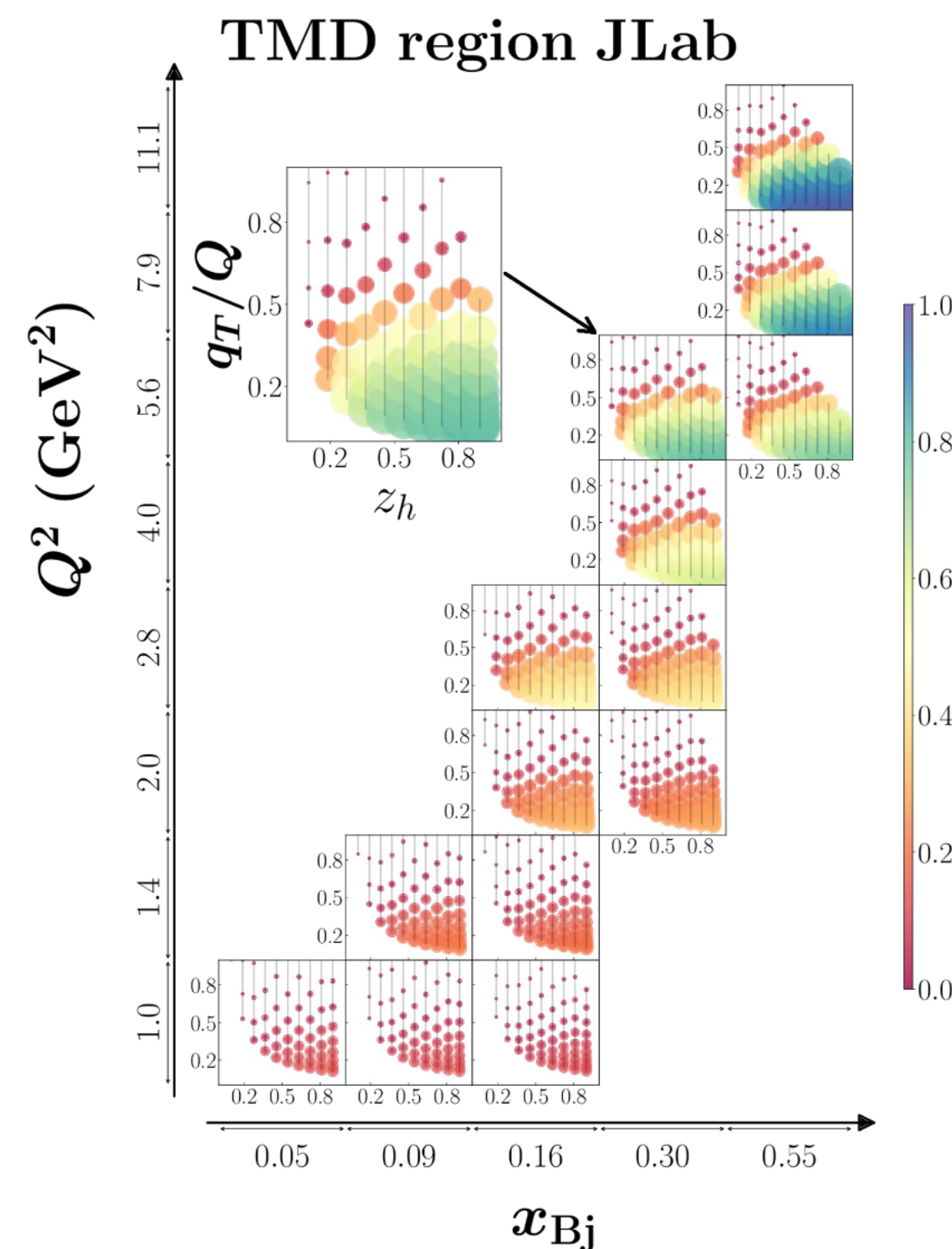
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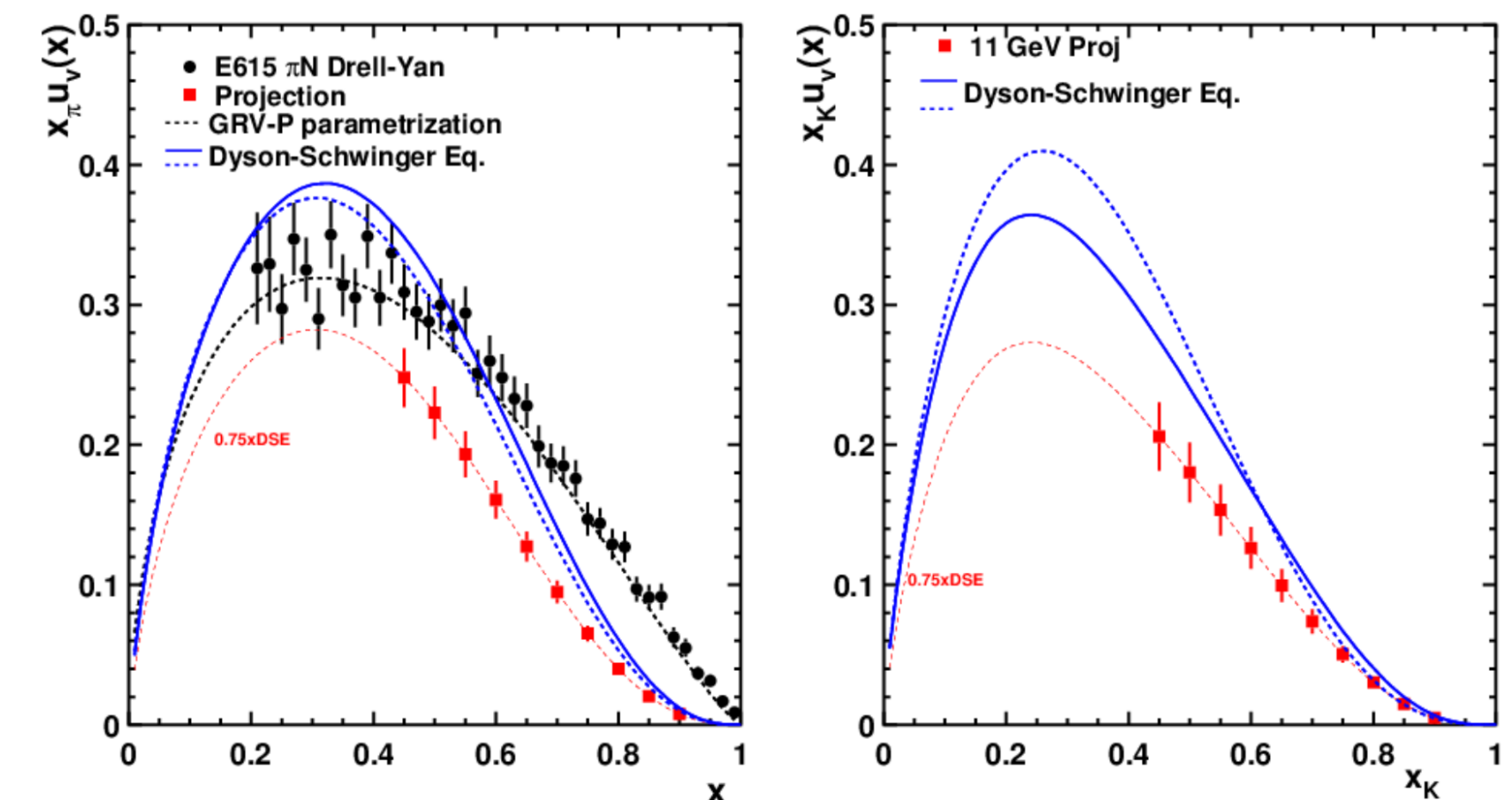
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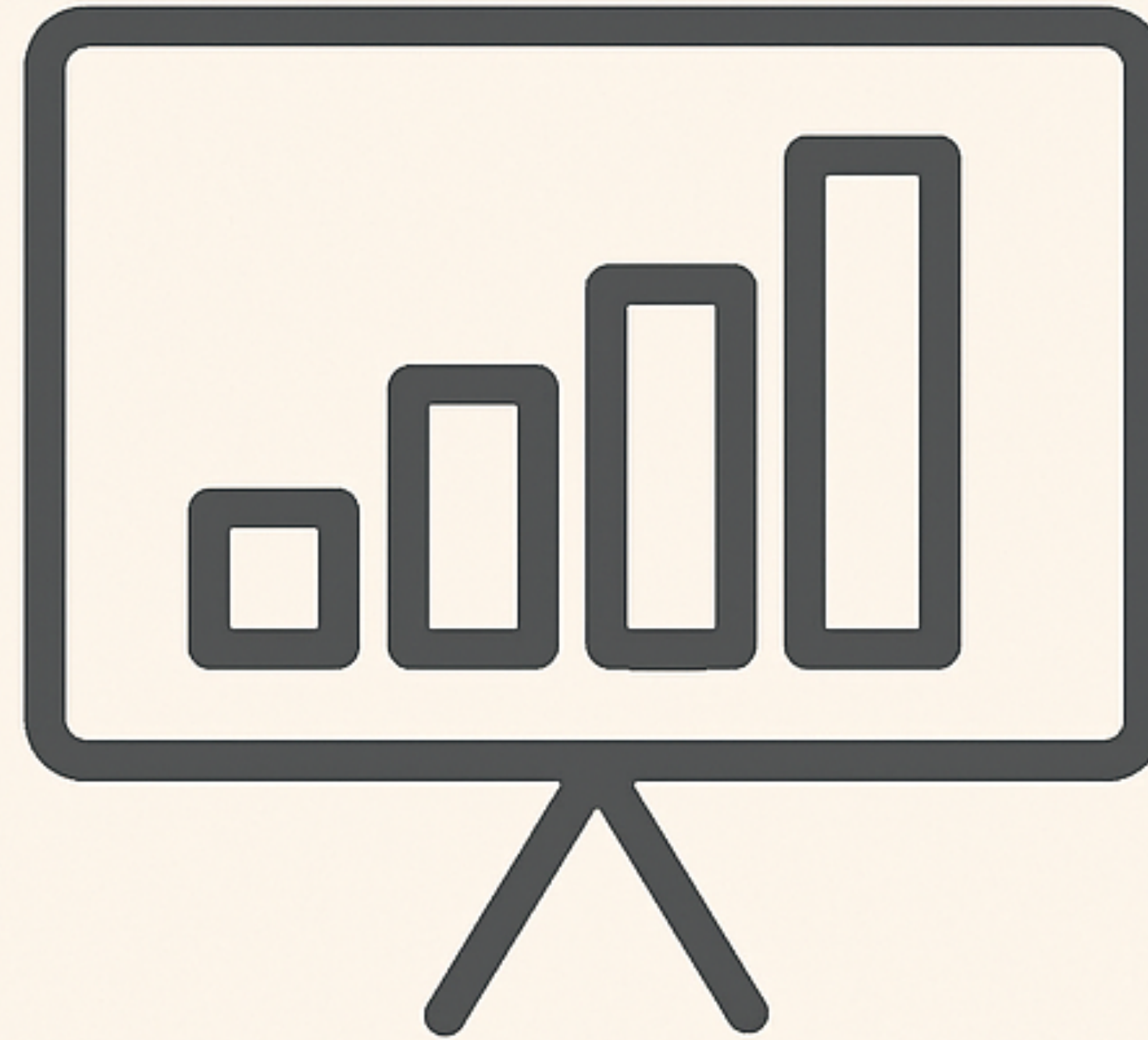
The physics case for measuring meson structure in Tagged DIS is strong, and there is substantial community interest in this topic. The PAC recognizes that progress has been made towards the detector design, including the development of tracking algorithms and tests of the very first mTPC prototype. The PAC encourages the proponents to finalize work towards a technical review of their detector design to remove the C1 condition

Stay active - Scientific Rate increased from A- to A

Stay Active with C1 status and A- scientific rate



Lol



Lol

The submission of 9 Lols in one year demonstrates the vitality and scientific creativity of JLab scientists

Many more details will be reported in the PAC Final Report

LOI12-26-001: A Search for New Physics Using Bhabha Transverse Asymmetries

The proponents are encouraged to work toward a comprehensive proposal for the measurement only after they have considered the issues raised by the PAC. The full proposal should include explicit BSM Lagrangians for proposed mediator classes, impact of radiative corrections on relevant observables, full uncertainty budget, and projected exclusion curves in BSM coupling vs BSM mass parameter space, overlaid with constraints coming from other experimental searches, g-2 and spectroscopy

LOI12-26-002: Physics with an Active Polarized Neutron Target: The Neutron Polarized EMC Effect

The proposed active polarized neutron target could enable innovative studies of nucleon spin structure, including the polarized EMC effect. However, its feasibility depends on the successful development of the target system. The PAC encourages the proponents to reduce the remaining technical uncertainties before submitting a full proposal

LOI12-26-003: High Precision Fundamental Physics Experiments at JLab with Spin-transparent Storage Rings of Low-energy Polarized Electron Beams

The LOI presents an innovative experimental setup with ST storage rings using the electron beam of the LERF that would allow to study the eEDM and search for axions. If successfully demonstrated, the innovative technology could have applications beyond the specific measurements proposed here. The proponents are encouraged to develop a staged R&D plan that might be suitable for LDRD funding

LOI12-26-004: J/Psi production on Nuclear Targets

The physics case is interesting. The PAC recommends, before considering a full proposal, that the proponents discuss potential overlap with the conditionally (C2) approved PR12-25-004

LOI12-26-005: Alpha Knockout from Nuclei in Hard Exclusive Processes with ALERT

This could be an impactful experiment, exploring the existence of an α EMC effect in α conjugate nuclei, with straightforward experimental execution afforded by ALERT's proven capabilities and the proponent's well-chosen reaction channels of quasi-free, coherent DVCS, and vector meson production. The PAC encourages the proponents to develop a full proposal

LOI12-26-006: A First Search for Deuteron Gluon Transversity in Inclusive DIS

The physics topic is unique. The PAC encourages the proponents to continue the ongoing studies. A full proposal would be appropriate once the baseline extraction strategy is fixed and the required systematic control, ND3 target performance, common-acceptance sensitivity, finite- Q^2 interpretation, and realistic Hall C run plan have been demonstrated quantitatively

LOI12-26-007: Photoproduction Studies on the Deuteron in Hall D

This LOI describes a comprehensive physics program for GlueX with a liquid deuterium target that has a clear potential to significantly augment the existing GlueX data sets. For a full proposal, the main need is prioritization backed by consistent simulations and a clear path to analysis

LOI12-26-008: The Deepest Phi Experiment

The physics case is interesting. The PAC recommends the proponents to proceed to a full proposal after the raised issues are carefully considered. When moving to the proposal stage, the proponents will need to show that the sixteen ϕ spin-density matrix elements can be measured with sufficient precision in the respective bins considering detector acceptance effects.

LOI12-26-009: Neutrino Production in the Nucleon-Delta Reaction

This LOI would open a novel path for studying weak charged current nucleon-to-resonance transitions with electron beams and could provide information relevant to neutrino oscillation physics that is difficult to obtain otherwise. The PAC encourages further development of the concept into a full proposal if compelling simulations can be presented to demonstrate that backgrounds are quantitatively under control and after laying out how the precision will impact constraints on the relevant transition form factors and hence neutrino oscillation experiments

PAC 54 Results

Proposal ID	Title	Contact Person	Hall	Days Requested	Days Awarded	SCIENTIFIC Rating	PAC Decision	Topic
New Proposals								
PR12-26-002	Kinematic dependence of the beam-normal single-spin asymmetry on 208Pb	Sanghwa Park/Tyler Kutz	C	10	10	B+	Approved	5
PR12-26-003	Exclusive Near-Threshold J/\psi Photoproduction at Large Skewness in Hall C at Jefferson Lab	Fernando A. Flor	C	27	27	A-	Approved	4
PR12-26-004	Open Charm at JLab with the sPHENIX MAPS tracker	Sebouh Paul	B	100			Deferred	1
PR12-26-005	A Definitive Measurement of 3N Correlations Scaling Plateau in Inclusive Scattering	Burcu Duran	C	28,3	17	A-	Approved	5
PR12-26-006	The Hypernuclear station at KLF	Mikhail Bashkanov	D	100			Deferred	5
PR12-26-007	Rosenbluth separation of the elastic electron-proton scattering cross section at Q2 = 9.5 (GeV/c)2	Barak Schmooker/B. Wojtsekhowski	C	15,5			C2	2
PR12-26-008	Studying Possible Isospin Dependence of R	Tyler J. Hague	C	5	5	A-	Approved	5
PR12-26-009	Final-State Interactions Studies in Deuterium at Very High Missing Momenta	C. Yero	C	23	22	B+	Approved	5
PR12-26-010	Measurement of Meson Electroproduction Differential Cross Sections for η' , ω , and ρ^0 (E'OR) in the Threshold Region Using HKS-HES Setup	R. Marinaro	C	13			Deferred	1
Conditionally Approved Proposal								
None								
New Run Group Proposals								
PR12-26-011	Constraining the flavor content of the nucleon and flavor-dependent nuclear effects in the mirror nuclei ^3H and ^3He	J. Arrington/T. Kutz	C	60	60	A-	C1	5
PR12-26-012	Probing the isospin and momentum structure of three-nucleon short-range correlations in the $^3\text{H}/^3\text{He}$ mirror system	Shujie Li	C	60	60	A-	C1	5
Run Group Proposals								
E12-11-006A	JEF-II: an Extension of the JLab Eta Factory Experiment	Liping Gan	D	200			Endorsed	6
E12-11-007A	Studying the Light Sea Quark Asymmetry Using Semi-Inclusive Deep Inelastic Scattering (SIDIS) with the SoLID using a Longitudinally Polarized ^3He Target at 11 GeV	Ching Him Leung	A	0			Endorsed	3
Letters of Intent								
LOI12-26-001	A Search for New Physics Using Bhabha Transverse Asymmetries	David J. Mack	LERF	0	0		Recom	6
LOI12-26-002	Physics with an Active Polarized Neutron Target: The Neutron Polarized EMC Effect	Whitney R. Armstrong	C	0	0		Recom	3
LOI12-26-003	High Precision Fundamental Physics Experiments at JLab with Spin-transparent Storage Rings of Low-energy Polarized Electron Beams	Vladimir Khachatryan	LERF				Recom	6
LOI12-26-004	J/\Psi production on Nuclear Targets	Pierre Chatagnon	B	100	100		Recom	5
LOI12-26-005	Alpha Knockout from Nuclei in Hard Exclusive Processes with ALERT	Whitney R. Armstrong	B	0	0		Recom	5
LOI12-26-006	A First Search for Deuteron Gluon Transversity in Inclusive Deep-Inelastic Scattering	Ishara Fernando	C	34	34		Recom	2
LOI12-26-007	Photoproduction Studies on the Deuteron in Hall D	Igal Jaegle	D	0	0		Recom	1
LOI12-26-008	The Deepest Phi Experiment	Charles E. Hyde	A, C	43	43		Recom	4
LOI12-26-009	Neutrino Production in the Nucleon-Delta Reaction	Bogdan Wojtsekhowski	A,C	100	100		Recom	6
Jeopardy								
J12-26-001	Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized He-3 Target Using the BigBite and Super BigBite Spectrometers in Hall A: PAC54 jeopardy update to E12-09-018	Andrew Puckett	A	64	64	A	Stay Active	4
J12-26-002	Measurement of Tagged Deep Inelastic Scattering	Paul King	A	27	27	A-	Stay Active	3

Conclusions

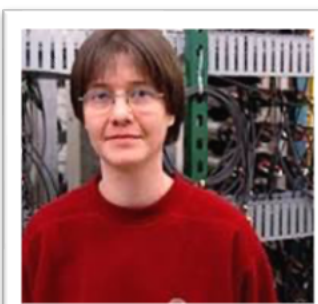
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- The JLab PAC process is designed to optimize scientific impact through effective guidance and prioritization. We did our best to fulfill our responsibilities
- We would like to thank the colleagues who prepared the TAC and Theory reports, which are essential components of our evaluation process

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- We are truly grateful to Douglas Higinbotham, Patrizia Rossi, and Michael Gericke
- A warm thank you to the PAC members for their dedication and for the highly scientific and constructive discussions



PASQUALE DI NEZZA, CHAIR



ALEXANDRA GADE



CYNTHIA HADJIDAKIS



BERNHARD KETZER



KRESIMIR KUMERICKI



BAKUR PARSAMYAN



CHRIS POLLY



MARCO RADICI



PETER SCHWEITZER



HIROKAZU TAMURA



SAM ZELLER