

# PAC 50 Closeout

**Note: PAC report should be available in early August.**

Markus Diehl  
14 July 2022



# It is good to be back.

- This is the first time since 2019 that the PAC can meet at JLab. We greatly appreciate the possibility of direct contacts and discussions.

The committee feels that PAC meetings should continue to be held in person.

(zoom as a last resort in case of unforeseen hindrances)

# Results: Proposals

NUMBER	TITLE	CONTACT PERSON	HALL	DAYS REQUESTED	DAYS AWARDED	SCIENTIFIC RATING	PAC DECISION
<b>New &amp; Conditional Proposals</b>							
C12-21-004	Semi-Inclusive Deep Inelastic Scattering Measurement of A=3 Nuclei with CLAS12 in Hall B	Larry Weinstein	B	58			C2
C12-21-003	A Direct Detection Search for Hidden Sector New Particles in the 3-60 MeV Mass Range	Ashot Gasparian	B	60	60	A	Approved
C12-18-005	Timelike Compton Scattering off a Transversely Polarized Proton	Marie Boer	C	50			Deferred
PR12-22-001	Measurement of the N to Delta Transition Form Factors at low four momentum transfers	Nikos Sparveris	C	11	11	A-	Approved
PR12-22-002	First Measurement of the Flavor Dependence of Nuclear PDF Modification Using Parity-Violating Deep Inelastic Scattering	John Arrington	A	83			C2
PR12-22-003	Precision Measurement of the Neutral Pion Transition Form Factor	Ilya Larin	B	67	67	A-	Approved
PR12-22-004	Measurement of the Beam Normal Single Spin Asymmetry in Deep Inelastic Scattering using the SOLID Detector	Michael Nycz	A	38	38	A-	Approved
PR12-22-005	A Search for a Nonzero Strange Form Factor of the Proton at 2.5 (GeV/c) <sup>2</sup>	Bogdan Wojtsekhowski	C	35			Deferred
PR12-22-006	Deeply Virtual Compton Scattering off the neutron with the Neutral Particle Spectrometer in Hall C	Carlos Munoz Camacho	C	44	44	A	Approved

# Results: Jeopardy

NUMBER	TITLE	CONTACT PERSON	HALL	DAYS REQUESTED (ALREADY TAKEN)	DAYS AWARDED		PAC DECISION
<b>JEOPARDY PROPOSALS</b>							
E12-10-007	Precision Measurement of Parity-Violation in Deep Inelastic Scattering over a Broad Kinematic Range	Paul Souder	A	338	169		remain active
E12-12-006	Near-Threshold Electroproduction of $J/\psi$ at 11 GeV	Zein-Eddine	A	60	60		change rating from A- to A
E12-11-007	Asymmetries in Semi-Inclusive Deep-Inelastic Electro-Production of Charged Pion on a Longitudinally Polarized He-3 Target at 8.8 and 11 GeV	J.P. Chen	A	35	35		remain active
E12-10-006	Target Single Spin Asymmetry in Semi-Inclusive Deep-Inelastic Electro Pion Production on a Transversely Polarized $^3\text{He}$ Target at 8.8 and 11 GeV	Gao	A	90	90		remain active
E12-11-108	Target Single Spin Asymmetry in Semi-Inclusive Deep-Inelastic ( $e, e'\pi^{\pm}$ ) Reaction on a Transversely Polarized Proton Target	Gao	A	120	120		remain active

# Run group addition

- E12-07-107A

Hall B

Studies of Single Baryon Production in the Target Fragmentation Region with a Longitudinal Polarized Target

**Endorsed**

## Letters of Intent

NUMBER	TITLE	CONTACT PERSON	HALL
<b>Letters of Intent</b>			
LOI12-22-001	Color Transparency in Dirty Kinematics	Shujie Li	C
LOI12-22-002	Exploring the Light Anti-Quark Flavor Asymmetry in the Nucleon Sea using Semi Inclusive Charged Pion Production in Hall C	Arun Tadepalli	C

# Thanks to

- all spokespersons and collaborations
- all PAC reviewers and Carlos Munoz-Camacho (JLUO Chair)
- JLab management and scientists  
especially Bob McKeown, Thia Keppel, Patrizia Rossi,  
and all those who provided the TAC physics and theory reports
- Susan Brown, Jennifer Finch, Sadie Cherry, and the technical staff

Stay safe. Hope to see you again next year.