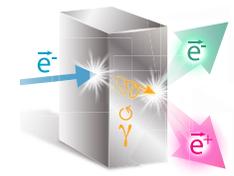


## *JLab PWG On-line Meeting*

*March 11<sup>th</sup>, 2026*

Eric Voutier

*Université Paris-Saclay, CNRS/IN2P3/IJCLab, Orsay, France*

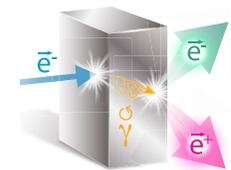


- The next JLab **P**rogram **A**dvisory **C**ommittee meeting (**PAC54**) will take place on July 6<sup>th</sup>-10<sup>th</sup>, 2026.

Proposal and/or Letter-of-Intent aiming at **JLab PWG endorsement** should be submitted to **PWG review** following the schedule:

- Abstract of the planned experimental project due to [voutier@ijclab.in2p3.fr](mailto:voutier@ijclab.in2p3.fr) before **March 31<sup>st</sup>**.
- Draft proposal/letter-of-intent due to reviewers on **April 13<sup>th</sup>**, 9:00 am (EDT).
- Reviewer report due to proponent on **April 20<sup>th</sup>**, 9:00 am (EDT).
- Amended proposal/letter-of-intent due to reviewers on **April 27<sup>th</sup>**, 9:00 am (EDT).
- Endorsement decision due to proponents on **April 30<sup>th</sup>**, 9:00 am (EDT).
- Monday **May 4<sup>th</sup>**, 2026, 9:00 am (EDT) is the dead line for **PAC54 submission**.

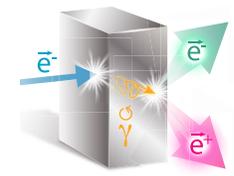
*Contact me any time if you wish to serve as PWG reviewer.*



- The **Positron Experimental Program** at **JLab** represents today **8 approved proposals** covering the **3 pillars** of the JLab Positron White Paper (PWP) and representing **471 days** of single hall running.

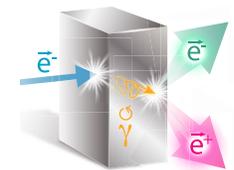
NUMBER	TITLE	PHYSICS THEME	CONTACT PERSON	HALL	DAYS AWARDED	SCIENTIFIC RATING	PAC DECISION
PR12+23-002	Beam Charge Asymmetries for Deeply Virtual Compton Scattering on the Proton at CLAS12	GPDS	Eric Voutier	B	100	A-	C1
PR12+23-003	Measurement of Deep Inelastic Scattering from Nuclei with Electron and Positron Beams to Constrain the Impact of Coulomb Corrections in DIS	MPE	Dave Gaskell	C	9.3	A-	C1
PR12+23-006	Deeply Virtual Compton Scattering using a positron beam in Hall C	GPDS	Carlos Muñoz Camacho	C	137	A-	C1
PR12+23-008	A Direct Measurement of Hard Two-Photon Exchange with Electrons and Positrons at CLAS12	TPE	Axel Schmidt	B	55	A	C1
PR12+23-012	A measurement of two-photon exchange in unpolarized elastic positron-proton and electron-proton scattering	TPE	Michael Nycz	C	56	A-	C1
PR12+24-005	A dark photon search with a JLab positron beam	BSM	Bogdan Wojtsekhowski	B	55	A-	C1
PR12+25-006	Measurement of Two-Photon Exchange in Electron-Neutron and Positron-Neutron Elastic Scattering	TPE	Eric Fuchey	C			C2
PR12+25-011	Multi-Photon Effects in Inclusive and Semi-Inclusive Deep Inelastic Scattering	MPE	Tyler Hague	C	58.5	B+	C1

C1 = Conditionally Approved with Technical Review by the Lab  
 C2 = Conditionally Approved with New Presentation to the PAC



- **Several experimental channels** discussed in the PWP have **not yet** been **proposed** to the PAC.
- Considering the expected positron beam intensity, opportunities for **polarized target experiments** should be considered.
- **Positron beam polarization** is the key feature of the Ce<sup>+</sup>BAF positron source and is supported as today by only one proposal (pDVCS-BCA@CLAS12) taking advantage of the beam polarization without beam intensity limitation.
- Physics opportunities at low (up to a few 100 MeV) beam energies should also be investigated.

*Recommended  $e^+$  beam configurations are  
1  $\mu\text{A}$  in unpolarized mode and 50 nA/60% polarized in polarized mode.*



## LOW ENERGY ELECTRON POSITRON PHYSICS INTERNATIONAL WORKSHOP LEEPP@JLab

**Newport News, VA, USA**  
**March 23<sup>rd</sup>-27<sup>th</sup>, 2026!**

In the context of the Ce+BAF 12 GeV upgrade initiative, new beam capabilities at sub-GeV energies will become available at Jefferson Lab. The LEEP @ Jefferson Lab International Workshop explores new pathways for science with both unpolarized and polarized electron and positron beams at low energies.

**SCOPE** This workshop will cover:

- Beam energies ranging from 1-100 MeV for both species
- Moderated/slow positrons to several eV

**EMERGING CAPABILITIES** The path toward GeV positron beams opens the door to new capabilities:

- Positron sources
- Low-energy (sub-GeV) nuclear physics
- Atomic physics
- Materials science

**ORGANIZING COMMITTEE**

Axel Schmidt, George Washington University  
David Cassidy, University College London  
Doug Higinbotham, Jefferson Lab  
Eric Voutier, IJCLab  
Farida Selim, Arizona State University  
Joe Grammes, Jefferson Lab  
Kevin Jordan, Jefferson Lab  
Tyler Kutz, Johannes Gutenberg University Mainz

**Jefferson Lab**

SCAN FOR MORE INFORMATION 

- The International Workshop about Low Energy Electron Positron Physics at Jefferson Lab (**LEEPP@JLab**) will be hold at Jlab **March 23<sup>rd</sup>-27<sup>th</sup>**.
- LEEPP purpose is to investigate and evaluate **physics opportunities** that would become available at **low beam energies** at the **LERF**, along with the development of the **Ce+BAF** positron source.

Positron sources, related equipment and diagnostics

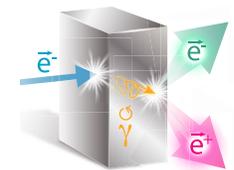
Nuclear Physics

Atomic Physics

Materials Science

Tests of the Standard Model Physics

Contacts: [voutier@ijclab.in2p3.fr](mailto:voutier@ijclab.in2p3.fr), [doug@jlab.org](mailto:doug@jlab.org)



## LEPP at a glance...

	Monday 23 <sup>rd</sup>	Tuesday 24 <sup>th</sup>	Wednesday 25 <sup>th</sup>	Thursday 26 <sup>th</sup>	Friday 27 <sup>th</sup>
08:45-12:30	General Introduction	Materials Science	Atomic Physics	Nuclear Physics II	Test of the Standard Model
13:45-17:30	Positron source & Instrumentation I	Nuclear Physics I	JLab Tour	Positron source & Instrumentation II	
17:30-19:00	Reception & Posters		Social Event		

LEPP registration at <https://www.jlab.org/conference/LEPP>

Abstract submission at <https://indico.jlab.org/event/964>

**Will soon close !!**