**JPos17**

International Workshop on Physics with Positrons at Jefferson Lab

12-15 September 2017, Newport News, Virginia

\*\*\* Second Circular \*\*\*

Registration for the Workshop on Physics with Positrons at Jefferson Lab is now open at the conference website

<https://www.jlab.org/conferences/JPos2017/>

This workshop is organized to explore the complementary physics potential offered by a polarized positron beam at JLab. We seek presentations and discussions of the application of positron beams in the context of CEBAF 12 GeV, a possible Positron-Ion collider (complementary to an Electron-Ion Collider), and an eventual low-energy positron facility.

The physics potential will be evaluated on the basis of specific beam intensity and polarization. At CEBAF 12 GeV, beam intensities about 10-100 nA and 60% polarization are considered achievable. At EIC energies, a luminosity of 1033 cm-2/s and 40% polarization are the expected beam parameters. At low energies, the target performances of the positron beam are a flux about 1010 e+/s with 50% polarization. Workshop proceedings are intented to inform a White Paper for a positron physics program at JLab.

The workshop is organized in plenary and parallel sessions according to the main topics :

- Interference physics (J. Arrington & C. Hyde, conveners)

- Charged current physics (Y. Furletova & W. Melnitchouk, conveners)

- Test of the Standard Model (M. Battaglieri & X. Zheng, conveners)

- Positron applications (T. Forest & F. Selim & B. Vlahovic, conveners)

- Positron source and beam physics (J. Grames & V. Morozov, conveners)

The program will be composed of both invited and contributed talks, and will comprise also a poster session. Students are especially encouraged to contribute. The list of confirmed speakers includes

J. Alexander (Cornell University)

J. Bernauer (MIT)

M. Defurne (CEA Saclay)

D. Gaskell (JLab)

J. Guo (Jlab)

T. Horn (Catholic University of America)

A. Kawasuso (NIQRST)

F. Lin (JLab)

K. Lynn (Washington State University)

Sonny Mantry (University of North Georgia)

A. Mills (University of California)

J. Owens (Florida State University)

S. Riordan (ANL)

B. Raue (Florida International University)

Y. Roblin (JLab)

S. Schmitt (DESY)

R. Suleiman (JLab)

M. Tiefenback (JLab)

A. Wagner (HZDR)

M. Yurov (University of Virginia)

Y. Zhang (JLab)

For more information or to submit an abstract please visit the workshop website:

<https://www.jlab.org/conferences/JPos2017/>

Regards from the Organizers,

John Arrington (ANL),

Marco Battaglieri (INFN Genova),

Tony Forest (ISU),

Yulia Furletova (JLab),

Joe Grames (co-chair JLab),

Charles Hyde (ODU),

Wally Melnitchouk (JLab),

Vasiliy Morozov (JLab),

Farida Selim (BGSU),

Branislav Vlahovic (NCCU)

Eric Voutier (co-chair, IPNO),

Xiaochao Zheng (UVa)