

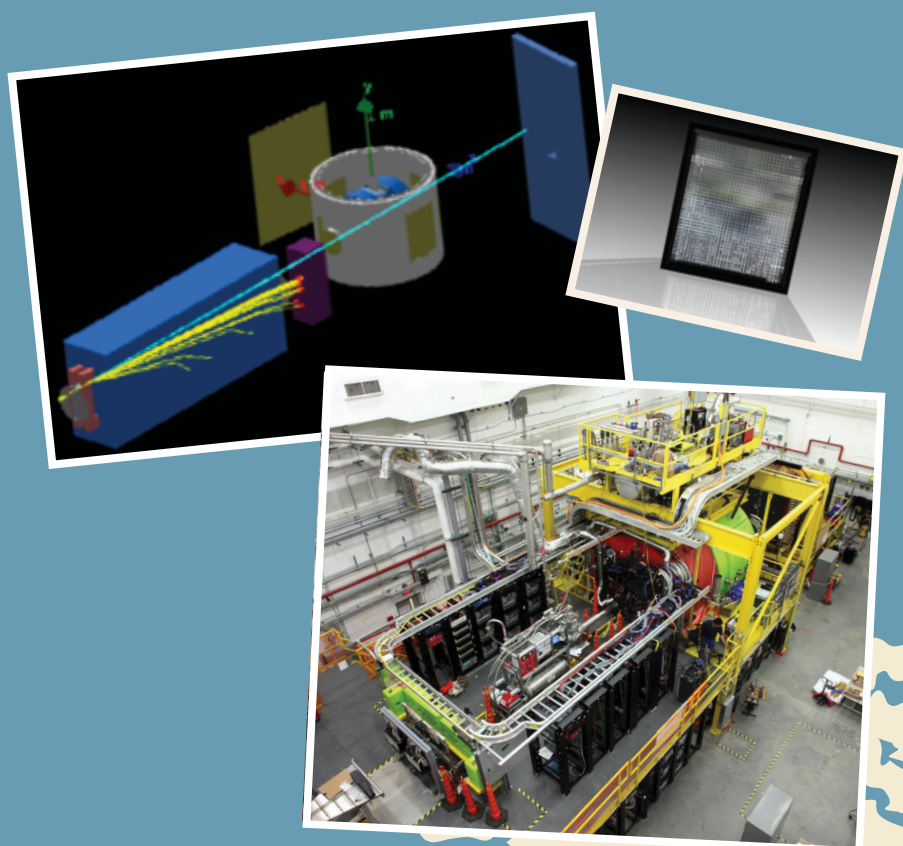
# HIPS 2017

New Opportunities with High-Intensity Photon Sources

February 6-7, 2017

Catholic University of America  
Washington, DC U.S.A.

This workshop aims at producing an optimized photon source concept with potential increase of scientific output at Jefferson Lab, and at refining the science for hadron physics experiments benefitting from such a high-intensity photon source. The workshop is dedicated to bringing together the communities directly using such sources for photo-production experiments, or for conversion into  $K_L$  beams. The combination of high precision calorimetry and high intensity photon sources can provide greatly enhanced scientific benefit to (deep) exclusive processes like wide-angle and time-like Compton scattering. Potential prospects of such a high-intensity source with modern polarized targets will also be discussed. The availability of  $K_L$  beams would open new avenues for hadron spectroscopy, for example for the investigations of “missing” hyperon resonances, with potential impact on QCD thermodynamics and on freeze-out both in heavy ion collisions and the early universe.



## Organizing Committee:

Tanja Horn – CUA  
Cynthia Keppel – JLab  
Carlos Munoz-Camacho – IPNO  
Igor Strakovsky – GWU



Jefferson Lab