

KYUNGSEON JOO
Professor
Department of Physics
University of Connecticut
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EDUCATION

Ph.D., Department of Physics, Massachusetts Institute of Technology, Cambridge, MA
M.S., Department of Electrical and Computer Engineering, U. of Utah, Salt Lake City, UT
B.S., Department of Physics, Seoul National U., Seoul, South Korea

PROFESSIONAL EXPERIENCE

Professor of Physics, University of Connecticut, 2011 – Present.
Fulbright Scholar, IPN-Orsay, University of Paris-Sud, 2015 – 2016.
Program Manager for Nuclear Physics, Department of Energy, 2013 – 2015.
Program Director for Nuclear Physics, National Science Foundation, 2010 – 2012.
Associate Professor of Physics, University of Connecticut, 2007 – 2011.
Assistant Professor of Physics, University of Connecticut, 2002 – 2007.
Postdoctoral Fellow, Jefferson Lab, 2000 – 2002.
Postdoctoral Fellow, University of Virginia, 1997 – 2000.

RESEARCH INTERESTS

Experimental Nuclear and Hadronic Physics

ACTIVE RESEARCH GRANTS (Total 3-year average: \$1.7 M)

DOE Office of Science's Medium Energy Nuclear Physics Program, "Medium Energy Nuclear Physics Experiment in Hall B at Jefferson Lab," - \$1.15M, 04/15/16 - 04/14/19, Sole PI.

National Science Foundation's IRES Program, "IRES: Studying Nucleon Structure in Orsay, France," - \$248K, 05/01/17 - 04/30/20, PI: P. Schweitzer; co-PI: K. Joo, G. Dodge (Old Dominion University).

Brookhaven National lab, "EIC Background Studies and the Impact on the IR and Detector Design," - \$35K, 10/01/17 – 09/30/18, Sole PI.

Argonne National Lab, "Electroproduction with Nucleon and Nuclear Targets Using CLAS and CLAS12," - \$128K, 01/11/16 – 01/10/19, Sole PI.

Jefferson Science Associate, "Ring Imaging Cherenkov Counter with CLAS 12," - \$120K, 11/14/13 – 03/30/18, Sole PI.

REFEREED JOURNAL PUBLICATIONS AND INVITED TALKS

180 peer-reviewed publications in major refereed journals in physics, 67 invited conference presentations, total number of citations 8,762 (HEP-SPIRES), and h-index 52.

ADVISEES

1. Current Ph.D. Students (Total: 7)

T. O'Connell, K. Wei, D. Riser, F. Cao, B. Clary, K. Tezgin, P. Hornung.

2. Current Postdocs (Total: 4)

N. Markov, A. Kim, N. Sato, S. Diehl

APPROVED JLAB 12 GeV EXPERIMENTS AS A SPOKESPERSON

JLab-C12-11-111, "Transverse spin effects in SIDIS at 11 GeV with a transversely polarized target using the CLAS12 Detector."

JLab-E12-09-009, "Studies of the Boer-Mulders Asymmetry in Kaon Electroproduction with Hydrogen and Deuterium Targets."

JLAB-E12-09-003: "Nucleon Resonance Studies with CLAS12."

JLAB-E12-06-117: "Quark Propagation and Hadron Formation in π^0 and η channels."

JLAB-E12-06-112: "Probing the Proton's Quark Dynamics in Semi-Inclusive Pion Production at 12 GeV."

JLAB-E12-06-108: "Hard Exclusive Electroproduction of π^0 and η with CLAS12."