

**Yordanka Ilieva**, University of South Carolina

### Professional Profile

2012 – present	Associate Professor, USC
2008 – 2012	Assistant Professor, USC
2005 – 2008	Research Assistant Professor, GWU
2001 – 2005	Postdoctoral Fellow, GWU
2001	Ph.D., Nuclear Physics, Bulgarian Academy of Sciences, Bulgaria
1997 – 2000	Visiting Doctoral Student, FZ Jülich, Germany
1996	Diplom Physicist (equiv. M.Sc.), Sofia University “St. Kliment Ohridski”, Bulgaria

### Research Collaborations

- The EIC-PID Consortium (2015 – present)
- DIRC at EIC Collaboration (2012 – present)
- MUSE Collaboration (2012 – present)
- Jefferson Lab E-05-004 and E-05-103 Collaborations (2006 – 2012)
- CLAS Collaboration (2001 – present)
- The GEM Collaboration (1997 – 2004)

### Professional and Community Service

- Local Organizing Committee, *NSTAR2017: The 11th International Workshop on the Physics of Excited Nucleons*, University of South Carolina, August 20 – 23, 2017
- Co-organizer, *Workshop on probing small-size configurations in high-t photo/electroproduction*, Jefferson Lab, March 25 – 26, 2011
- CLAS Service Committee
- CLAS Speakers Committee
- Participant, Nuclear Physics Day on the Hill, 2015 and 2016
- Advisor, USC student organization *Women in Science and Engineering (WiSE)*
- Judge, SC Science Fair
- Mentor, SC Midway Physics Day

**Research Interests** The core of my research are studies of properties of nucleons and light nuclei via exclusive photodisintegration and meson photoproduction. My most recent work involves studies of the Lambda-nucleon interaction by means of final-state interactions in strangeness production off the deuteron. At 12 GeV, my research activities focus on probing gluon properties of the nucleon and deuteron via  $J/\psi$  production off the deuteron.

**Candidate Statement** Since I joined the JLab users community as a postdoctoral fellow in 2001, I have greatly appreciated its diverse opportunities for research, professional growth, and social networking. I highly value the professional integrity of the people I had the opportunity to work with and the support that I received throughout the years. In return, whenever possible, I have supported younger scientists in their careers and have tried to transmit our core values to the next generation of physicists. I would be honored to represent the JLab users in the Users Group Board of Directors. In addition to carrying forward the strong tradition of the UGBOD of facilitating communication with the JLab management, identifying and addressing the current needs of the users, and assisting the community to promote JLab science, I will seek opportunities to offer mentorship and support to a larger number of junior scientists and to further increase the exchange of information within the users community.