

Carlos Muñoz Camacho

IJCLab, CNRS/IN2P3 (Orsay, France)

Academic History

- 2007–present :** CNRS/IN2P3 – Orsay, staff scientist
- 2006–2007 :** Los Alamos National Laboratory, postdoctoral research associate
- 2002–2005 :** Université de Paris 6/CEA-Saclay, PhD in Physics
- 1999–2001 :** École Normale Supérieure (Paris), MS in Physics

Research Profile

I have been an active member of the Jefferson Lab user community since 2002 in the area of 3D structure of the nucleon using exclusive reactions, primarily in Hall A. I served as co-spokesperson of a DVCS experiment at 6 GeV and then later during the first experiment running after the Upgrade to 12 GeV. I am currently involved in the construction of a Neutral Particle Spectrometer which will be used by a new generation of precision experiments in Hall C. As a postdoc I worked on polarized proton-proton collisions at RHIC and I am currently actively participating in the developments towards the realization of the future Electron-Ion Collider.

Community Service

I was chair of the Hall A Collaboration from 2016–2018 and have served 2 years in the JLab Users Group Board of Directors as ‘Foreign Visitors’ representative. I am a member of the CLAS Speakers Committee. Since 2016 I am the chair of the Nuclear Physics Division at the French Physical Society, organizing several outreach and scientific activities yearly. I have participated to the writing of the 2017 NuPECC Long Range Plan (LRP) and I am currently co-leading the Hadronic Physics section of the 2020 French LRP. I am part of the EIC Institutional Board and member of the EIC ‘Conference and Talks’ committee. I am also strongly involved in the EIC Yellow Report efforts as co-convener of its Physics Working Group.

Candidate statement

The ‘12 GeV Upgrade’ project is currently completed. The EIC project has just started, with the announcement of CD-0 and its site selection. These are extremely exciting moments for our user community but at the same time very challenging ones. I believe that the Users Group Board of Directors (UGBOD) has a key mission in the following areas.

1. A large number of 12-GeV experiments have been approved over the last decade. Optimizing the physics output with increasingly budget constraints while maintaining the machine performance in a multi-Hall operation environment is a complex task. It is important that the views of the users are efficiently communicated to JLab management and their concerns seriously addressed.
2. I have enjoyed for more than 15 years the stimulating work environment of Jefferson Lab, including during my 2-year sabbatical in 2013–2015. I do not take it for granted, though. Constant and hard work is needed to make sure that users from different walks of life are correctly represented, respected and their views properly taken into consideration. The UGBOD has played and should continue to play a critical role in improving policies that account for the full diversity of our community.
3. JLab users are heavily mobilized in the physics of EIC. Along with JLab and BNL partnership, it is vital that the science interests of our community are accurately represented throughout the development of the project. This is especially true during the next couple of years, as we transition into formal EIC experimental collaborations.
4. The UGBOD must help ensure that the excitement and importance of our science is conveyed to the broader community, including funding agencies –both national and international– as well as government decision makers. This will be crucial to guarantee a long and bright future to our field and our students.