



Nobuo Sato

Theory Center
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Appointments

- Staff Scientist, Center for Theoretical and Computational Physics, Jefferson Lab, (2020-)
- Nathan Isgur Fellow, Center for Theoretical and Computational Physics, Jefferson Lab, (2019-2020)
- Postdoctoral Researcher, Department of Physics, Old Dominion University, (2018-2019)
- Postdoctoral Researcher, Department of Physics, University of Connecticut, (2017-2018)
- Postdoctoral Researcher, Center for Theoretical and Computational Physics, Jefferson Lab, (2014-2017)

Education

- Ph.D. in High Energy Physics. Florida State University, Tallahassee, FL, USA (2008-2014)
- B.S. Physics, Universidad del Valle, Cali, Colombia (2002-2007)

Awards

- DOE Early Career Award (2020)
- Nathan Isgur Fellowship (2019)
- Center for nuclear femtography: "QCD theory and machine learning for global analysis" (2019) [PI]
- JSA/JLab Nathan Isgur Fellowship in Nuclear Theory (2019)
- JLab LDRD19-13: "Universal Monte Carlo event generator" (2019-2021) [co-PI]
- JSA Annual Postdoctoral Prize, (2017)
- The Hagopian family award, High energy physics, Florida State University (2014)

Research Interest

- Perturbative QCD, higher order QCD calculations, resummation, factorization
- Hadron structure and hadronization: PDFs, FFs, and TMDs
- Lead scientist of Jefferson Angular Momentum collaboration (JAM)
- Machine learning
- Jet physics in heavy ions

Publications

<https://inspirehep.net/authors/1452501>

Community Service

- EIC Yellow Report co-convener for inclusive reactions (2020)
- Co-organizer QCD evolution (2017, 2019)
- Co-organizer EIC Users group meeting - 3D Imaging, Mass and Spin- (2018)
- Lecturer at the first CFNS summer school on the science of the future Electron-Ion Collider (2019)
- Co-supervision of undergraduate students through the Research Experience for Undergraduates(REU) and Science Undergraduate Laboratory Internships (SULI) programs (2015-)
- Referee for Physical Review (C, D, letters), Journal of Physics G, European Physical Journal C

Candidate Statement

I joined the JLab users community as a postdoctoral fellow in 2014. Since then, I have had an extensive opportunity to work with people from theory and experiment, allowing me to grow professionally and understand the key value of having a dialogue between theorists and experimentalists in addressing the scientific challenges at the lab. It would be my honor to represent the JLab users in the Users Group Board of Directors as Theory-Experiment Liaison.