

2024 Guido Altarelli Award, DIS2024, Grenoble, France

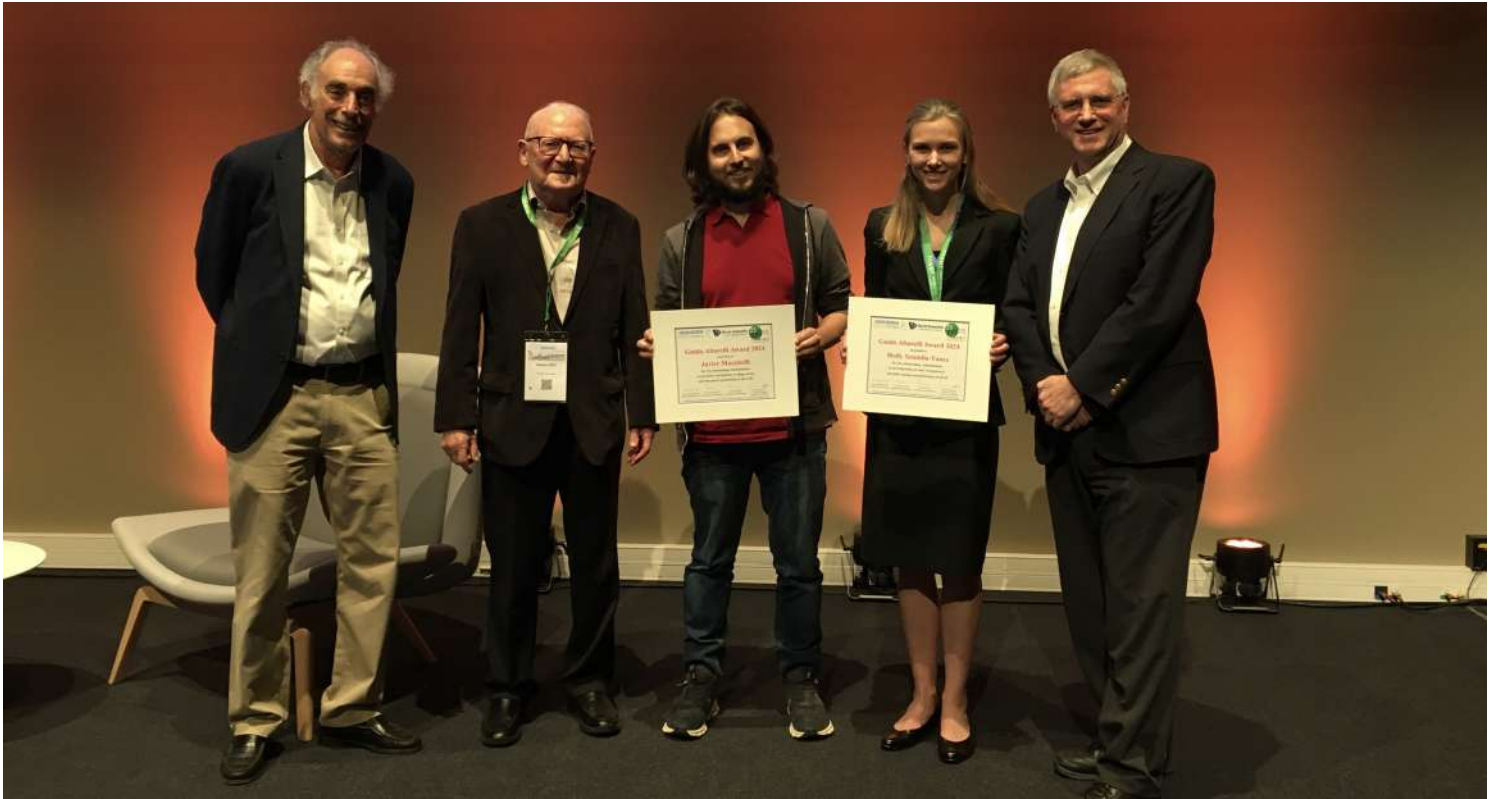
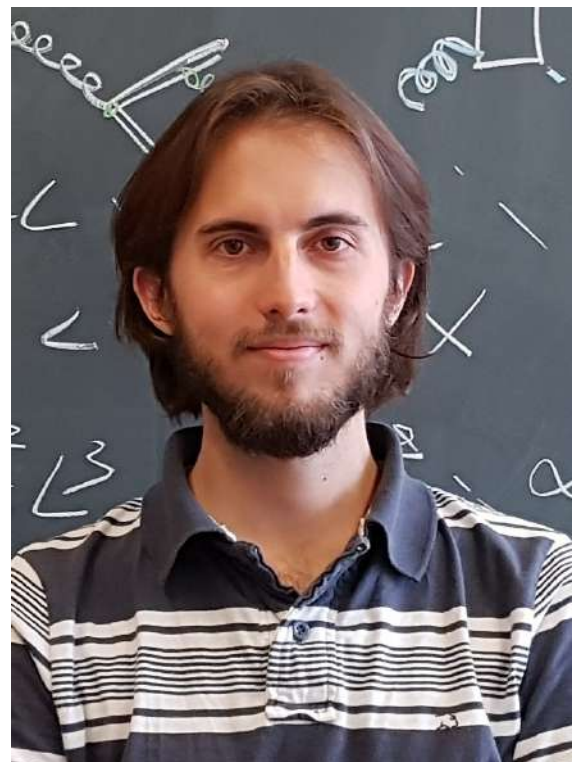


Photo Information (left to right): **Massimo Altarelli** (Guido's brother)
Aharon Levey (Chair, DIS International Advisory Committee)
Javier Mazzitelli (Paul Scherrer Institut) **Holly Szumila-Vance** (Jefferson Lab, USA)
Fred Olness (Chair, Altarelli Award Committee)



Holly Szumila-Vance
(Jefferson Lab, USA)



Javier Mazzitelli
(Paul Scherrer Institut)

Guido Altarelli Award 2024

The prestigious **Guido Altarelli Award**, named after the late CERN theorist who made seminal contributions to QCD, recognizes exceptional achievements from young scientists in **Deep Inelastic Scattering** (DIS) and related subjects. The prize ceremony was held on 8 April 2024 during the XXXI International Workshop on Deep Inelastic Scattering and Related Subjects (**DIS2024**) in Grenoble, France. The 2024 Altarelli Award is generously supported by the Centro Ricerche Enrico Fermi, the European Physical Journal, and World Scientific,

Holly Szumila-Vance (Jefferson Lab, USA) was awarded the experimental prize for significant contributions to the investigation of "Color Transparency" and other nuclear manifestations of QCD. Her work on Color Transparency provides a key avenue for investigating the transition from quarks to nuclei and studying the relation between perturbative and non-perturbative phenomena. Holly received her Ph.D. at Old Dominion University. She then took a postdoctoral position at Jefferson Lab and a joint MIT/George Washington University postdoc. She is a Staff Scientist at Jefferson Lab and is a co-spokesperson for several experiments at the lab.

Javier Mazzitelli (Paul Scherrer Institut) was awarded the theory prize for outstanding contributions to precision calculations of Higgs boson and top quark production at the Large Hadron Collider (LHC). Since the 2012 discovery of the Higgs boson, precision calculations such as those performed by Javier allow us to investigate the characteristics of the Higgs boson with high precision. Javier received his Ph.D. from the University of Buenos Aires, Argentina. Then, he took postdoctoral positions at the University of Zurich, Max Planck Institute, Munich, Germany, and currently resides at Paul Scherrer Institut in Switzerland.

During the DIS workshop, we were fortunate to have Professor Altarelli's brother, Massimo Altarelli, join us for the award presentations. Additionally, Professor Stefano Forte (U. Milan) joined us via Zoom to fondly reminisce about his collaborations and interactions with Professor Altarelli.

Professor Altarelli was an outstanding physics communicator, a mentor, and a strong supporter of junior scientists. The 2024 presentations mark the 9th edition of the Altarelli Award, and we are deeply grateful to our sponsors, including Centro Fermi, EPJ Springer, and World Scientific, for their invaluable support. A complete listing of past awards can be found online at: <https://www.desy.de/~gallo/AltarelliAward/>

DIS2024 is the 31st of the annual workshops on Deep-Inelastic Scattering (DIS) and Related Subjects. The conference covers a wide spectrum of topics in high-energy and nuclear physics. A significant part of the program is devoted to the most recent results from experiments at BNL, CERN, DESY, FNAL, JLab, and KEK, as well as the corresponding theoretical advances. The workshop was generously supported by BNL, CFNS (Stony Brook), DESY, JLab, MSU, and NSF.

The workshop demonstrated how "DIS and Related Subjects" permeates a broad range of physics topics, from hadron colliders to spin physics, neutrino physics, and more. There is still much work to be done, and the good news is that DIS2025 will be held in Capetown, South Africa, from 24 to 28 March 2025.

Altarelli Award Website: <https://www.desy.de/~gallo/AltarelliAward/>

DIS2024 Workshop Website: <http://dis2024.org/>

YouTube Video of Award Ceremony: https://youtu.be/RMwBl3tSLT8?si=cPju_0YRmZx0T7gx

Additional Information: Prof. Fred Olness, Chair, Altarelli Award Committee: Email: olness@smu.edu