



The 226th HENPIC Roundtable Discussions

Nucleon spin structures and polarized fragmentation functions

Speaker: Tianbo Liu, Shuyi Wei and Jinlong Zhang (SDU)

May 08, 2025, Thursday, 9:30 am (UTC+8)

Zoom meeting ID: 421173735 Passcode: 644179

Topics:

1. Three-d polarized quark distributions in the nucleon (Prof. Liu)
2. Spin correlations in unpolarized high-energy collisions (Prof. Wei)
3. Spin experiments at RHIC (Prof. Zhang)

About the speakers:

Prof. Liu obtained B.S. and Ph.D. in 2010 and 2015 from Peking University. He held postdoc at Duke University and Jefferson Lab before joining SDU. He received the Gary McCator Award in 2019. His research interest focuses on nucleon spin structures and spin effects in fragmentation functions.



Prof. Wei's research interests focus on gluon saturation physics and fragmentation functions. He received his Ph.D. from SDU in 2015, and then served as a postdoc at CCNU, École Polytechnique, and ECT*. Since 2021, he has been a faculty member at SDU.



Prof. Zhang's research focuses on medium- and high-energy nuclear physics, especially using polarized electron and proton scattering to study nuclear/nucleon structure and polarization effects. He has participated in international collaborations including RHIC-STAR, JLab-PREX/CREX, and LHC-CMS.



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