

Backward-Angle (u-channel) Physics Workshop

Monday, September 21, 2020 - Wednesday, September 23, 2020

Online

Scientific Program

The presented research topics at this workshop involve u-channel physics studies at all four experimental Halls of JLab and beyond. We have compiled these interesting topics into a scientific program as listed below:

Backward Baryon-Antibaryon Photoproduction at GlueX Experiment (H. Li)

Backward Charged π^+ Electroproduction from CLAS 6 (K. Park)

Backward Exclusive ω Electropiroduction from JLab 6 GeV Hall C (G. Huber)

Backward Meson Electroproduction Opportunities at EIC (W. Li)

Backward Meson Electroproduction from the JLab Hall C Kaon LT Experiment (S. Kay)

Backward Angle Physics Opportunities with the BigBite and Super BigBite Spectrometers (C. Ayerbe Gayoso)

Backward-angle ω Photoproduction at $E_\gamma=8.8$ GeV with GlueX Experiment (J. Stevens)

Large Angle π^0 Production at CLAS 12 (S. Diehl)

Meson-Nucleon Transition Distribution Amplitude (L. Szymanowski)

Studying TDA with $pp \rightarrow e+e-\pi^0$ at the PANDA Experiment

Wide Compton Scattering at JLab Hall C (B. Wojtsekhowski, D. Hamilton)

$K^+ \Sigma^0$ Photoproduction at Backward Angle at GlueX Experiment (N., Wickramaarachchi)

ω Photoproduction off Proton Target at Backward Angles (B.-G. Yu)

GPD at large Skewness (M. Strikman)

Session Discussion on u-channel Electroproduction (C. Weiss)

Large Angle Beam-Spin-Asymmetry of pions at CLAS (S. Diehl)

Short Range Correlation and Backward Nucleon Tagging (F. HAUENSTEIN)

u-channel Photoproduction and Backward Angle TCS (B. Pire)

Backward production at high energies, in ultra-peripheral collisions and at an EIC (S. Klein)

One hour discussion session on the u-channel electroproduction will occur after Tuesday's presentation session; and one hour discussion on the u-channel photoproduction will occur after Wednesday's presentation session.