

# Discussion: Physics program for backward angle scattering II

Backward angle scattering workshop, 21-23 Sep 2020

## JLab12 backward scattering experiments

$ep$  CLAS12  $\pi^0, \phi$ , other channels,  $\sigma?$ ;  $ed \rightarrow pn$  ← YESTERDAY

$ep$  Hall C  $\pi^0, \eta; \omega, \rho, \phi$ , other channels  $\sigma?$  ← YESTERDAY

$\gamma p$  Hall A backward TCS ← TODAY

$\gamma p$  Hall C Compton ← TODAY

$\gamma p$  Hall D  $\omega, K\Sigma, B\bar{B}$  ← TODAY

- What is needed for planning, simulations, analysis?
- What are the priorities for channels and kinematics?

## Theory and interpretation ←

Hard dynamics: QCD factorization, TDAs

Soft dynamics: Hadronic/Regge models

- What developments are needed, possible?

## High-energy backward scattering at EIC and UPCs ←

New opportunities: Broad kinematic range, other channels?

- What simulations and modeling are needed?
- What detection is needed/possible?

## Connections and synergies with hadronic probes ←

$\bar{p}p$  at PANDA, hadron- $p$  at J-PARC

- How to integrate them in common physics program?