

Abstract Submitted
for the APR21 Meeting of
The American Physical Society

CJ global QCD analysis with RHIC weak boson data SANGHWA PARK, State Univ of NY - Stony Brook, CJ COLLABORATION — We present the recent update from the CTEQ-Jefferson Lab (CJ) global QCD analysis with W and Z data from the STAR experiment at RHIC. Weak boson productions in proton collisions provide unique opportunities to access light quarks in the proton. The cross sections and their ratio are sensitive to the light quark distributions near the valence region at RHIC energy, and in particular can help to constraint d_b/u_b at large-x region.

Sanghwa Park
State Univ of NY - Stony Brook

Date submitted: 11 Jan 2021

Electronic form version 1.4