## Abstract Submitted for the APR21 Meeting of The American Physical Society

Constraining gluon momentum and spin distributions from jet observables YIYU ZHOU, NOBUO SATO, WALLY MELNITCHOUK, Jefferson Lab, JAM COLLABORATION — We made simultaneous extraction of spin averaged and spin dependent PDFs within multistep MC procedures, with combined analysis of inclusive unpolarized and polarized Jet from RHIC to Tevatron energies. By analyzing the preliminary results we had, we were able to further constrain on  $\Delta g$ .

Yiyu Zhou Jefferson Lab

Date submitted: 08 Jan 2021 Electronic form version 1.4