

# Opportunities with HF at EIC: Discussion Wed 04 Nov

## Theoretical framework for HF production in DIS at EIC

- Developments needed for EIC kinematics - large  $x$ , power corrections?
- Implementation in simulations?
- Beauty production? Photoproduction?

## Role of HF in PDF analysis at EIC

- HF production as probe of gluons? Relative impact of various processes measured at EIC?
- HF PDFs? Definitions, ambiguities at large  $x$ ?
- CC charm production as probe of strangeness - theoretical accuracy, purity at higher orders?

## Physics of charm jets in eN at EIC

- Jet evolution studies? Using jets as parton proxy - avoid fragmentation functions?
- Event reconstruction at large  $x$ , Jacquet-Blondel

**[+ Questions specifically related to today's presentations]**