Contribution ID: **311** Type: **Contributed Talk**

EIC Detectors

Wednesday, 25 March 2020 15:30 (20 minutes)

Measurements at the EIC have stringent requirements on high luminosity and acceptance of the collision final state particles, particularly in the directions along the beamline or, equivalently, extremely high rapidity. Accessing the EIC physics of interest requires unprecedented integration of the interaction region and detector designs. In this presentation, we review current detector concepts of the EIC, in particular a total acceptance detector is that achieves close to full acceptance for the scattered electron and the particles associated with the initial state ion and struck quark, respectively. We also show selected highlights from the ongoing Yellow Report studies for the EIC.

Primary author: BURKERT, Volker (Jefferson Lab)

Presenter: BURKERT, Volker (Jefferson Lab)

Session Classification: Future Experiments

Track Classification: Future Experiments