



Live Notes

Physics Requirements for MCEGs at the EIC

By Brian Page (BNL)

Link to presentation: <https://indico.jlab.org/event/930/contributions/16691/>

Question on Highest Priorities:

- Estimate the accuracy of MCEGs
- Modeling of intermediate region between photoproduction

QED Effects with Parton Showers: Developments in Sherpa

By Daniel Reichelt (CERN)

Link to presentation: <https://indico.jlab.org/event/930/contributions/16715/>

- Provide DJANGO / HERACLES samples in HepMC3 format.
- Select plots for comparison.
- Possible comparison with Jefferson Lab data.

Next Steps and [Report](#)

- 09/01** Frank and Markus present the first draft for Secs. 1 and 2 of the [report](#).
- 09/01** Ilkka presents a detailed list of Rivet analyses and the corresponding plots that will be shown for each analysis.
- 09/01** Pythia and Sherpa collaborations present a draft for Secs. 3.3 and 3.3}, which can be shared with other projects as an example.
- 09/??** MC4EIC meeting to provide a status update and invite the community to contribute to the article.

11/?? MC4EIC meeting to present the first full draft of the article and to discuss the timeline for soliciting community feedback and publication.

Other notes

GiBUU is a generator that is particularly good for final state interactions. Low- z , high multiplicity events from PYTHIA will suffer large FSI.

Link: gibuu.hepforge.org