



Contribution ID: 95

Type: **not specified**

Fixed color and QED effects in matrix-element corrected parton showers

Wednesday 21 April 2021 11:20 (20 minutes)

QCD parton showers can be improved by including different kinds of corrections. Among these are subleading color corrections, the modeling of QED emissions, and matrix element corrections. We implement a fixed color mode in the DIRE parton shower and combine it with QED shower emissions and mixed QCD-QED matrix element corrections to use these improvements simultaneously and compare their respective effects.

Primary author: GELLERSEN, Leif (Lund University)

Presenter: GELLERSEN, Leif (Lund University)

Session Classification: Student Talks or Discussion Session