Contribution ID: **148**                                            Type: **5 minutes talk**

# QED real corrections in Sherpa

*Thursday, 16 December 2021 14:22 (7 minutes)*

In this talk I will present my work implementing QED real corrections in the Sherpa event generator. Using the Catani-Seymour dipole formalism, a kT-ordered QED parton shower was constructed. The correct radiation pattern was obtained by applying negative weights to same-charge dipoles using the existing framework for applying analytic weights in the veto algorithm. Results are presented for an interleaved QCD+QED shower.

## Could you please give the most relevant category for your talk?

Phenomenology

## Will you be pre-recording your talk?

No

## Would you be interested in receiving feedback on your presentation?

Yes

## Are you happy for your talk to be recorded?

Yes

**Primary author:**   FLOWER, Lois (IPPP)

**Presenter:**   FLOWER, Lois (IPPP)

**Session Classification:**   Gong show talks