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Two-photon physics with the CepGen event generator and $\gamma\gamma \rightarrow W^+W^-/ZZ$ at LHC and LHeC

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CepGen is a matrix element level Monte Carlo generator intended for the simulation of central exclusive processes (and in particular $\gamma\gamma$) at LHC. In the recent years, numerous extensions allowed it to simulate an even broader range, e.g. diffraction and UPC interactions.

In this talk, the generator will be presented along its modular extensions capability, allowing e.g. the definition of new processes, and incoming partons fluxes modellings, or interfacing to existing libraries.

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